

OCT 15 2019

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM0404441
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☒ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY LP		8. Lease Name and Well No. BELLOQ 11-2 FED STATE COM 522H
3a. Address 333 West Sheridan Avenue Oklahoma City OK 73102	3b. Phone No. (include area code) (800)583-3866	9. API Well No. 30-015-46393
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESW / 300 FSL / 1880 FWL / LAT 32.3125559 / LONG -103.7510399 At proposed prod. zone LOT 3 / 20 FNL / 1680 FWL / LAT 32.3406774 / LONG -103.7517218		10. Field and Pool, or Exploratory LIVINGSTON RIDGE / BONESPRING
14. Distance in miles and direction from nearest town or post office*		11. Sec., T, R. M. or Blk. and Survey or Area SEC 11 / T23S / R31E / NMP
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease 1440	17. Spacing Unit dedicated to this well 640
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1478 feet	19. Proposed Depth 9060 feet / 18808 feet	20. BLM/BIA Bond No. in file FED: CO1104
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3455 feet	22. Approximate date work will start* 12/19/2019	23. Estimated duration 45 days

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.	4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
2. A Drilling Plan.	5. Operator certification.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).	6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature (Electronic Submission)	Name (Printed/Typed) Jenny Harms / Ph: (405)524-4902	Date 01/31/2019
Title Regulatory Compliance Professional		
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959	Date 10/04/2019
Title Assistant Field Manager Lands & Minerals		
Office CARLSBAD		

Application approval 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.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS
Approval Date: 10/04/2019

RW 10-18-19

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to a new evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

- I. SHL: SESW / 300 FSL / 1880 FWL / TWSP: 23S / RANGE: 31E / SECTION: 11 / LAT: 32.3125559 / LONG: -103.7510399 (TVD: 0 feet, MD: 0 feet)
PPP: SESW / 100 FSL / 1680 FWL / TWSP: 23S / RANGE: 31E / SECTION: 11 / LAT: 32.3120078 / LONG: -103.7517213 (TVD: 8706 feet, MD: 8723 feet)
BHL: LOT 3 / 20 FNL / 1680 FWL / TWSP: 23S / RANGE: 31E / SECTION: 2 / LAT: 32.3406774 / LONG: -103.7517218 (TVD: 9060 feet, MD: 18808 feet)

BLM Point of Contact

Name: Tenille Ortiz

Title: Legal Instruments Examiner

Phone: 5752342224

Email: tortiz@blm.gov

CONFIDENTIAL

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Geologic Conditions of Approval

:

All APDs in Basin Areas need to consist of: Rustler Top of Salt Base of Salt Lamar Bell Canyon Cherry Canyon Brushy Canyon Bone Springs Lime 1st Bone Sand 2nd Bone Sand 3rd Bone Lime (if near or in Potash Area) 3rd Bone Sand Wolfcamp Strawn *All formation casing setting depths, TVD formations.

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Devon Energy Production Company L.P.
LEASE NO.:	NMNM0404441
WELL NAME & NO.:	BELLOQ 11-2 FED STATE COM 522H
SURFACE HOLE FOOTAGE:	300'/S & 1880'/W
BOTTOM HOLE FOOTAGE:	20'/N & 1680'/W
LOCATION:	Section 11, T.23 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

COA

H2S	☒ Yes	☐ No	
Potash	☐ None	☐ Secretary	☒ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☐ Multibowl	☒ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☒ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Triste Draw Sand Dunes, the Salad, and Bone Spring** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8 inch** surface casing shall be set at approximately **764 feet** (a minimum of **70 feet (Eddy County)** 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 4350 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 to surface. If cement does not circulate, contact the appropriate BLM office.
Cement excess is less than 25%, more cement might be required. (-10.38%)

C. 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 **2000 (2M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **3000 (3M)** 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 **3000 (3M)** 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.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will

include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

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)

☒ 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 2nd 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. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
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. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
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, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- 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.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

PECOS DISTRICT SURFACE USE CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Devon Energy Production Company L.P.
WELL NAME & NO.:	BELLOQ 11-2 FED STATE COM 522H
SURFACE HOLE FOOTAGE:	300'/S & 1880'/W
BOTTOM HOLE FOOTAGE:	20'/N & 1680'/W
LOCATION:	Section 11, T.23 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

- ☐ **General Provisions**
- ☐ **Permit Expiration**
- ☐ **Archaeology, Paleontology, and Historical Sites**
- ☐ **Noxious Weeds**
- ☒ **Special Requirements**
 - Lesser Prairie-Chicken Timing Stipulations
 - Ground-level Abandoned Well Marker
 - Range
 - Potash
- ☐ **Construction**
 - Notification
 - Topsoil
 - Closed Loop System
 - Federal Mineral Material Pits
 - Well Pads
 - Roads
- ☐ **Road Section Diagram**
- ☒ **Production (Post Drilling)**
 - Well Structures & Facilities
 - Pipelines
 - Electric Lines
 - Oil and Gas Related sites
- ☐ **Interim Reclamation**
- ☐ **Final Abandonment & Reclamation**

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Timing Limitation Stipulation / Condition of Approval for lesser prairie-chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

Lessees must comply with the 2012 Secretarial Potash Order. The Order is designed to manage the efficient development of oil, gas, and potash resources. Section 6 of the Order provides general provisions which must be followed to minimize conflict between the industries and ensure the safety of operations.

To minimize impacts to potash resources, the proposed well is confined within the boundaries of the established Uber North Drill Island (See Potash Memo and Map in attached file for Drill Island description).

Livestock Watering Requirement

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

Fence Requirement

Where entry is granted across a fence line, the fence must be braced and tied off on both sides of the passageway with H-braces prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

The operator must contact the allotment holder prior to construction to identify the location of the pipeline. The operator must take measures to protect the pipeline from compression or other damages. If the pipeline is damaged or compromised in any way near the proposed project as a result of oil and gas activity, the operator is responsible for repairing the pipeline immediately. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

During construction, the proponent shall minimize disturbance to existing fences, water lines, troughs, windmills, and other improvements on public lands. The proponent is required to promptly repair improvements to at least their former state. Functional use of these

improvements will be maintained at all times. The holder will contact the grazing permittee/allottee prior to disturbing any range improvement projects. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (below six inches) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)

Exclosure Fencing

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

G. ON LEASE ACCESS ROADS**Road Width**

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

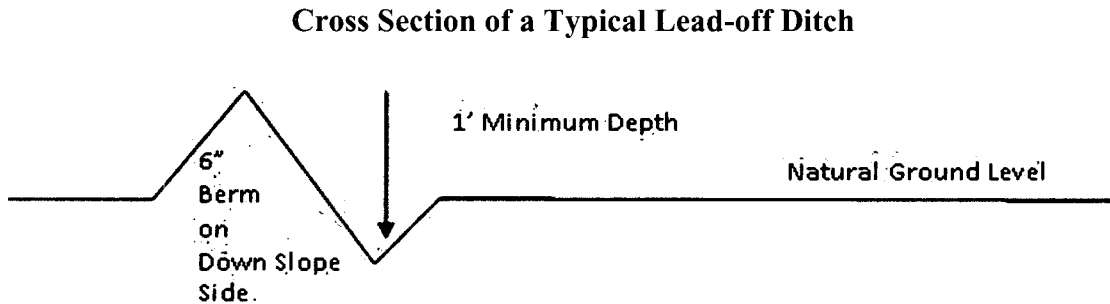
Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$400 \text{ foot road with } 4\% \text{ road slope: } \frac{400'}{4\%} + 100' = 200' \text{ lead-off ditch interval}$$

Cattle guards

An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

Fence Requirement

Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road

3. Redistribute topsoil
4. Revegetate slopes

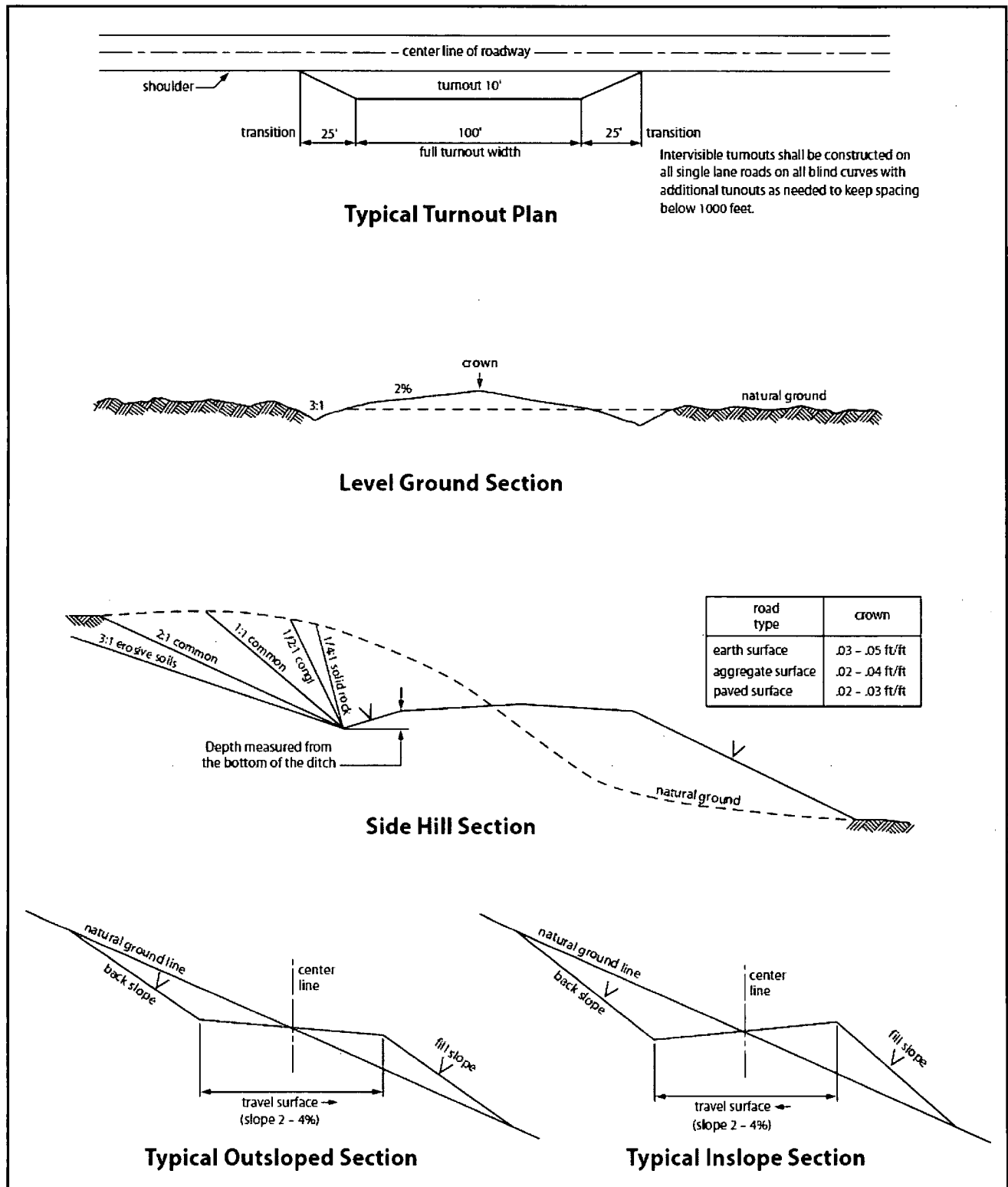


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or F5 local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Exclosure Netting (Open-top Tanks)

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, **Shale Green** from the BLM Standard Environmental Color Chart (CC-001: June 2008).

B. PIPELINES

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.
6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.
7. The maximum allowable disturbance for construction in this right-of-way will be 30 feet:
- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed 20 feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation.*)
 - Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed 30 feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
 - The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)
8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.
9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.
11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

- | | |
|--|--|
| ☐ seed mixture 1 | ☐ seed mixture 3 |
| ☐ seed mixture 2 | ☐ seed mixture 4 |
| ☒ seed mixture 2/LPC | ☐ Aplomado Falcon Mixture |

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

17. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

18. Escape Ramps - The operator will construct and maintain pipeline/utility trenches that are not otherwise fenced, screened, or netted to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or

other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

19. Special Stipulations:

Lesser Prairie-Chicken

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the application (Grant, Sundry Notice, APD) and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the

authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:

- a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
- b. Activities of other parties including, but not limited to:
 - (1) Land clearing.
 - (2) Earth-disturbing and earth-moving work.
 - (3) Blasting.
 - (4) Vandalism and sabotage.
- c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder

of any responsibility as provided herein.

6. All construction and maintenance activity will be confined to the authorized right-of-way width of 20 feet. If the pipeline route follows an existing road or buried pipeline right-of-way, the surface pipeline must be installed no farther than 10 feet from the edge of the road or buried pipeline right-of-way. If existing surface pipelines prevent this distance, the proposed surface pipeline must be installed immediately adjacent to the outer surface pipeline. All construction and maintenance activity will be confined to existing roads or right-of-ways.

7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.

8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky or dune areas, the pipeline will be "snaked" around hummocks and dunes rather than suspended across these features.

9. The pipeline shall be buried with a minimum of 24 inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.

10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.

13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

15. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

16. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, powerline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

17. Surface pipelines must be less than or equal to 4 inches and a working pressure below 125 psi.

18. Special Stipulations:

- a. **Lesser Prairie-Chicken:** Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted.

C. ELECTRIC LINES

STANDARD STIPULATIONS FOR OVERHEAD ELECTRIC DISTRIBUTION LINES

A copy of the grant and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
4. There will be no clearing or blading of the right-of-way unless otherwise agreed to in writing by the Authorized Officer.
5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006 . The holder shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this right-of-way, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the holder without liability or expense to the United States.

Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.

6. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

7. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.

8. Upon cancellation, relinquishment, or expiration of this grant, the holder shall comply with those abandonment procedures as prescribed by the Authorized Officer.

9. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this grant, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.

10. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

11. Special Stipulations:

- For reclamation remove poles, lines, transformer, etc. and dispose of properly.
- Fill in any holes from the poles removed.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be

allowed within up to 200 meters of leaks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

STANDARD STIPULATIONS FOR OIL AND GAS RELATED SITES

A copy of the application (Grant/Sundry Notice) and attachments, including stipulations and map, will be on location during construction. BLM personnel may request to view a copy of your permit during construction to ensure compliance with all stipulations.

The holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer, BLM.

1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant and for all response costs, penalties, damages, claims, and other costs arising from the provisions of the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. Chap. 82, Section 6901 et. seq., from the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 U.S.C. Chap. 109, Section 9601 et. seq., and from other applicable environmental statutes.
2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, et. seq.) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized by this grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act, Section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the Authorized Officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et. seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et. seq.) on the right-of-way (unless the release or threatened release is wholly unrelated to the right-of-way holder's activity on the right-of-way). This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
4. If, during any phase of the construction, operation, maintenance, or termination of the site or related pipeline(s), any oil or other pollutant should be discharged from site

facilities, the pipeline(s) or from containers or vehicles impacting Federal lands, the control and total removal, disposal, and cleanup of such oil or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages to Federal lands resulting therefrom, the Authorized Officer may take such measures as deemed necessary to control and cleanup the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any liability or responsibility.

5. Sites shall be maintained in an orderly, sanitary condition at all times. Waste materials, both liquid and solid, shall be disposed of promptly at an appropriate, authorized waste disposal facility in accordance with all applicable State and Federal laws. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, petroleum products, brines, chemicals, oil drums, ashes, and equipment.
6. The operator will notify the Bureau of Land Management (BLM) authorized officer and nearest Fish and Wildlife Service (FWS) Law Enforcement office within 24 hours, if the operator discovers a dead or injured federally protected species (i.e., migratory bird species, bald or golden eagle, or species listed by the FWS as threatened or endangered) in or adjacent to a pit, trench, tank, exhaust stack, or fence. (If the operator is unable to contact the FWS Law Enforcement office, the operator must contact the nearest FWS Ecological Services office.)
7. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" designated by the Rocky Mountain Five-State Interagency Committee. The color selected for this project is **Shale Green**, Munsell Soil Color Chart Number 5Y 4/2.
8. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.
9. A sales contract for removal of mineral material (caliche, sand, gravel, fill dirt) from an authorized pit, site, or on location must be obtained from the BLM prior to commencing construction. There are several options available for purchasing mineral material: contact the BLM office (575-234-5972).

10. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

11. Once the site is no longer in service or use, the site must undergo final abandonment. At final abandonment, the site and access roads must undergo "final" reclamation so that the character and productivity of the land are restored. Earthwork for final reclamation must be completed within six (6) months of the abandonment of the site. All pads and facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact. After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

12. The holder shall stockpile an adequate amount of topsoil where blading occurs. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles. The topsoil will be used for final reclamation.

13. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

- | | |
|--|--|
| ☐ seed mixture 1 | ☐ seed mixture 3 |
| ☐ seed mixture 2 | ☐ seed mixture 4 |
| ☒ seed mixture 2/LPC | ☐ Aplomado Falcon Mixture |

14. In those areas where erosion control structures are required to stabilize soil conditions, the holder shall install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound management practices. Any earth work will require prior approval by the Authorized Officer.

15. Open-topped Tanks - The operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock,

hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps

16. The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an

impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock enclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

17. Open-Vent Exhaust Stack Enclosures – The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (Recommended enclosure structures on open-vent exhaust stacks are in the shape of a cone.) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

18. Containment Structures - Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

19. Special Stipulations:

- The entire well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The berm shall be maintained through the life of the well and after interim reclamation has been completed.

- Any water erosion that may occur due to the construction of the well pad during the life of the well will be corrected within two weeks and proper measures will be taken to prevent future erosion.

Lesser Prairie-Chicken

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from permanent engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

VIII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

Seed Mixture for LPC Sand/Shinnery Sites

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Operator Certification Data Report

10/09/2019

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Jenny Harms

Signed on: 01/28/2019

Title: Regulatory Compliance Professional

Street Address: 333 W SHERDIAN AVE

City: OKLAHOMA CITY

State: OK

Zip: 73170

Phone: (405)524-4902

Email address: RAY.VAZ@DVN.COM

Field Representative

Representative Name: Ray Vaz

Street Address: 6488 Seven Rivers Hwy

City: Artesia

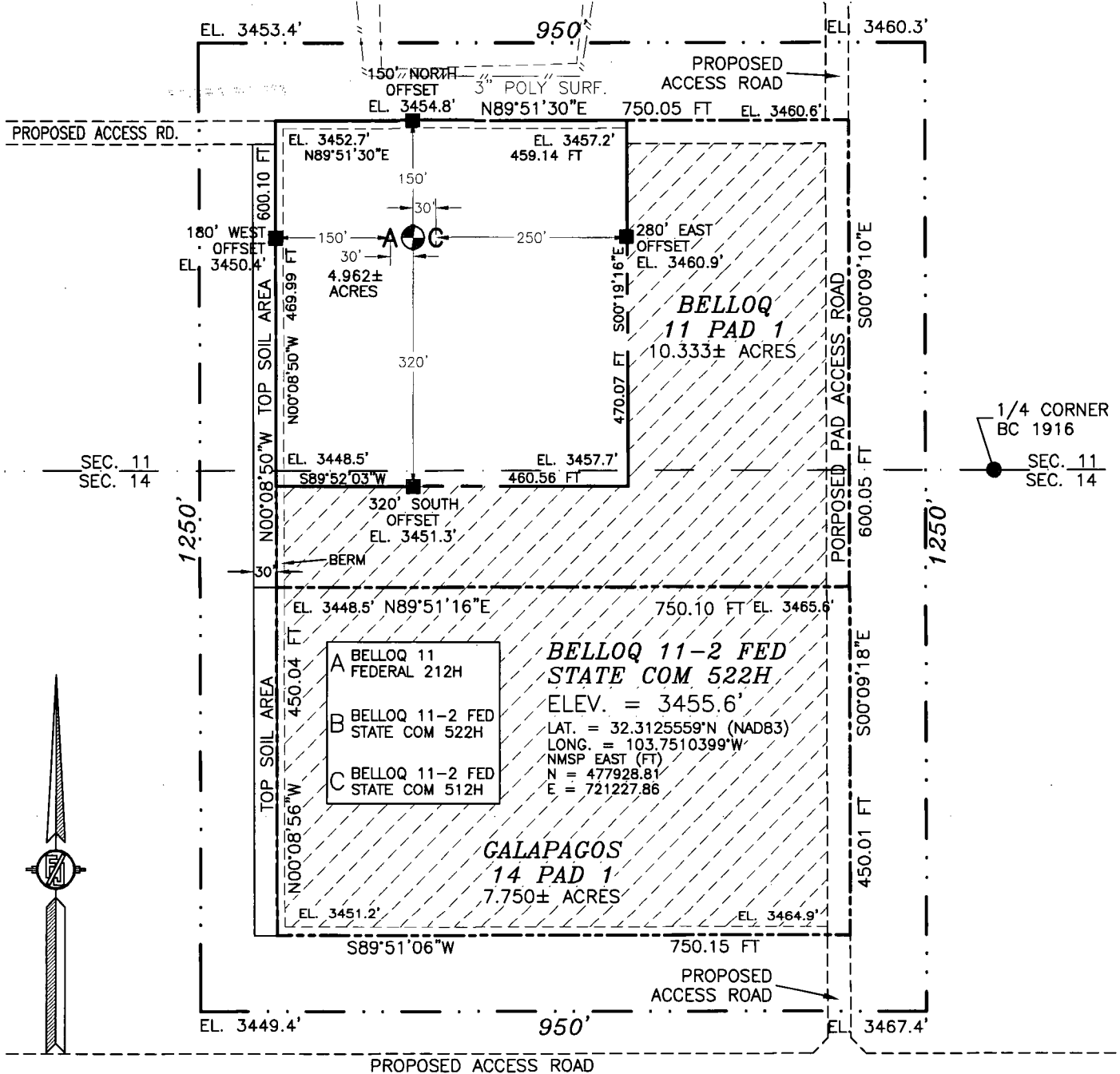
State: NM

Zip: 88210

Phone: (575)748-1871

Email address: ray.vaz@dvn.com

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
SITE MAP



020 100 200 400

SCALE 1" = 200'

DIRECTIONS TO LOCATION

FROM STATE HWY. 128 AND CR. 798 (RED ROAD) GO NORTH ON RED ROAD 4.7 MILES, TURN LEFT ON CALICHE ROAD AND GO WEST 0.15 MILE, BEND RIGHT AND GO NORTHWEST 0.35 MILE, TURN LEFT AND GO SOUTHWEST 0.4 MILE, TURN LEFT AND GO SOUTH 0.25 MILE TO EXISTING PAD FOR BARCLAY 11 N FED 14 WELL, AT EAST EDGE OF PAD FOLLOW FLAGS EAST 328' THEN SOUTH 185' TO NORTHEAST CORNER OF THIS PAD.

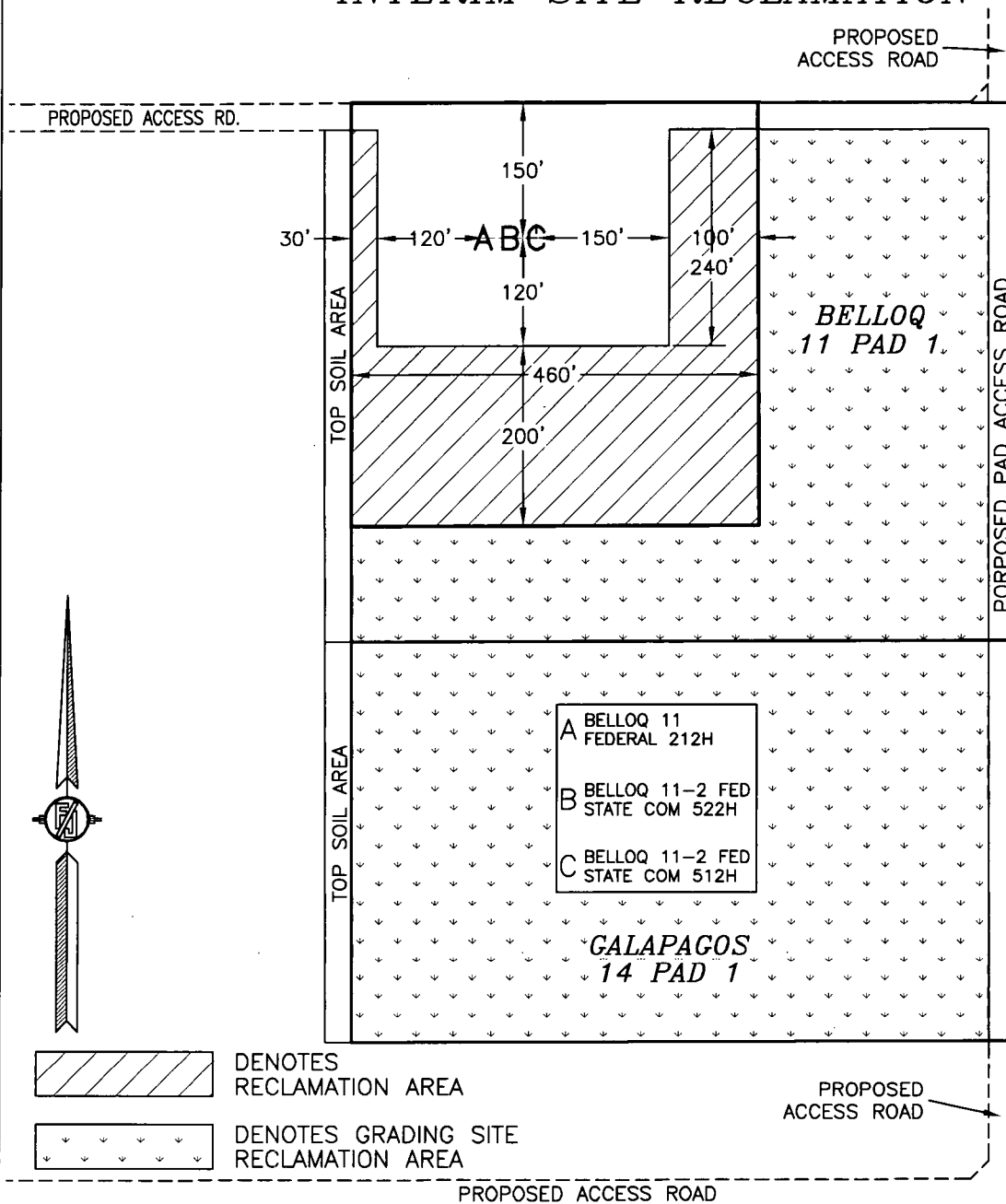
DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2018

SURVEY NO. 6180B

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
INTERIM SITE RECLAMATION



020 100 200 400
SCALE 1" = 200'

2.827± ACRES INTERIM PAD RECLAMATION AREA
12.218± ACRES GRADING SITE RECLAMATION AREA
3.038± ACRES NON-RECLAIMED AREA
18.083± ACRES BELLOQ & GALAPAGOS WELL PAD

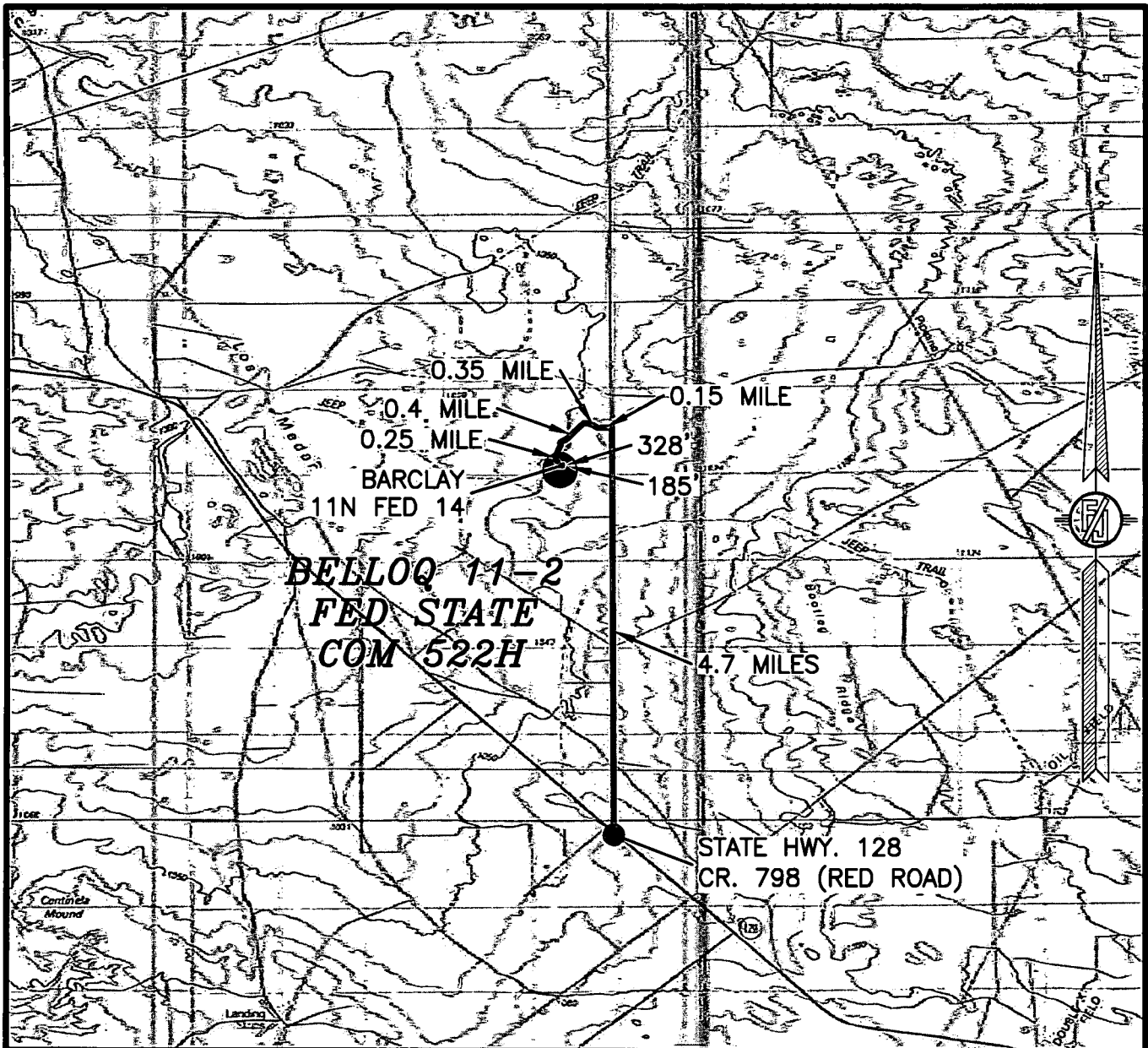
DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2018

SURVEY NO. 6180B

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

FROM STATE HWY. 128 AND CR. 798 (RED ROAD) GO NORTH ON RED ROAD 4.7 MILES, TURN LEFT ON CALICHE ROAD AND GO WEST 0.15 MILE, BEND RIGHT AND GO NORTHWEST 0.35 MILE, TURN LEFT AND GO SOUTHWEST 0.4 MILE, TURN LEFT AND GO SOUTH 0.25 MILE TO EXISTING PAD FOR BARCLAY 11 N FED 14 WELL, AT EAST EDGE OF PAD FOLLOW FLAGS EAST 328' THEN SOUTH 185' TO NORTHEAST CORNER OF THIS PAD.

DEVON ENERGY PRODUCTION COMPANY, L.P.

BELLOQ 11-2 FED STATE COM 522H

LOCATED 300 FT. FROM THE SOUTH LINE

AND 1880 FT. FROM THE WEST LINE OF

SECTION 11, TOWNSHIP 23 SOUTH,

RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

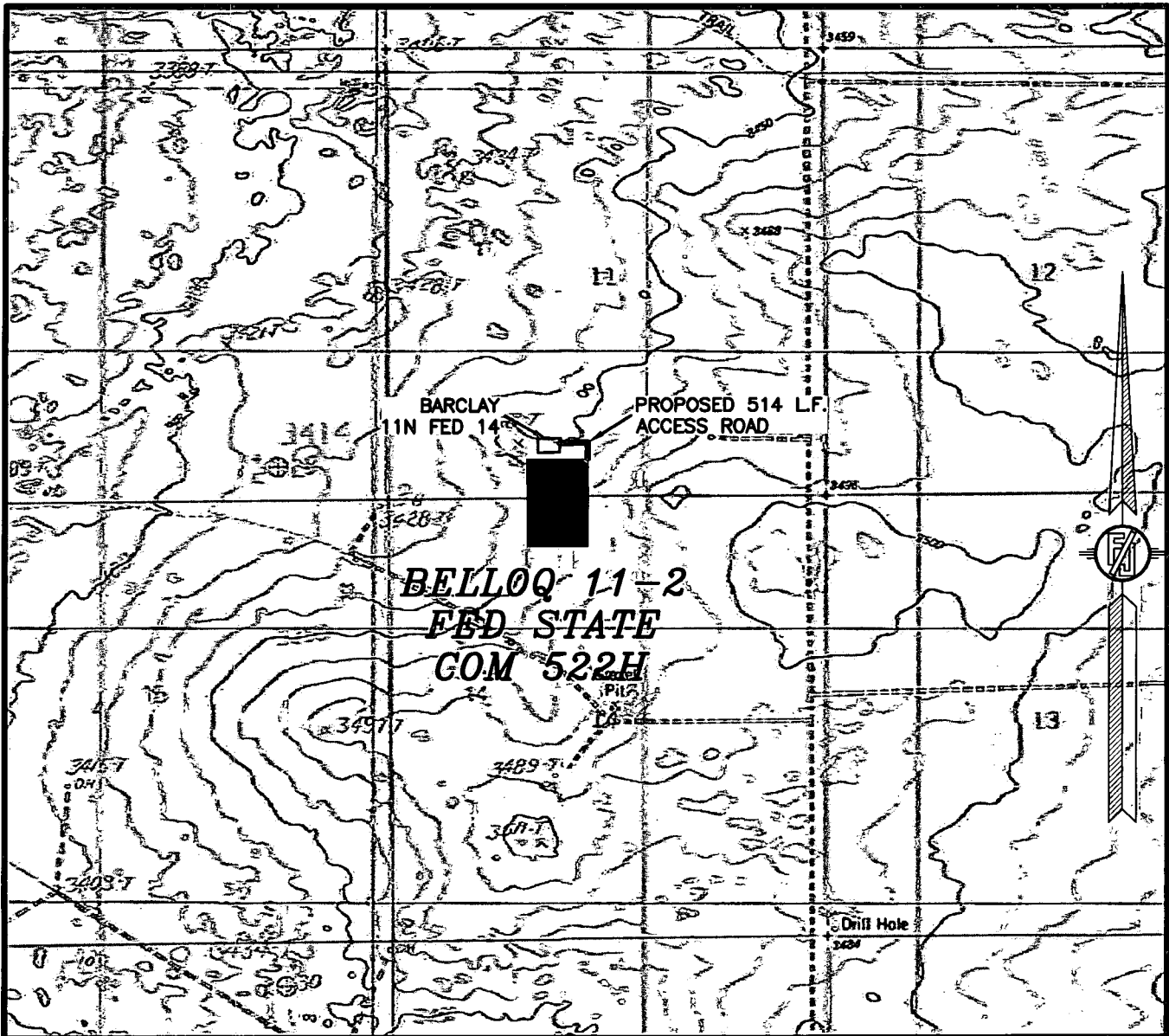
DECEMBER 20, 2018

SURVEY NO. 6180B

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
LOS MEDANOS
BOOTLEG RIDGE

NOT TO SCALE

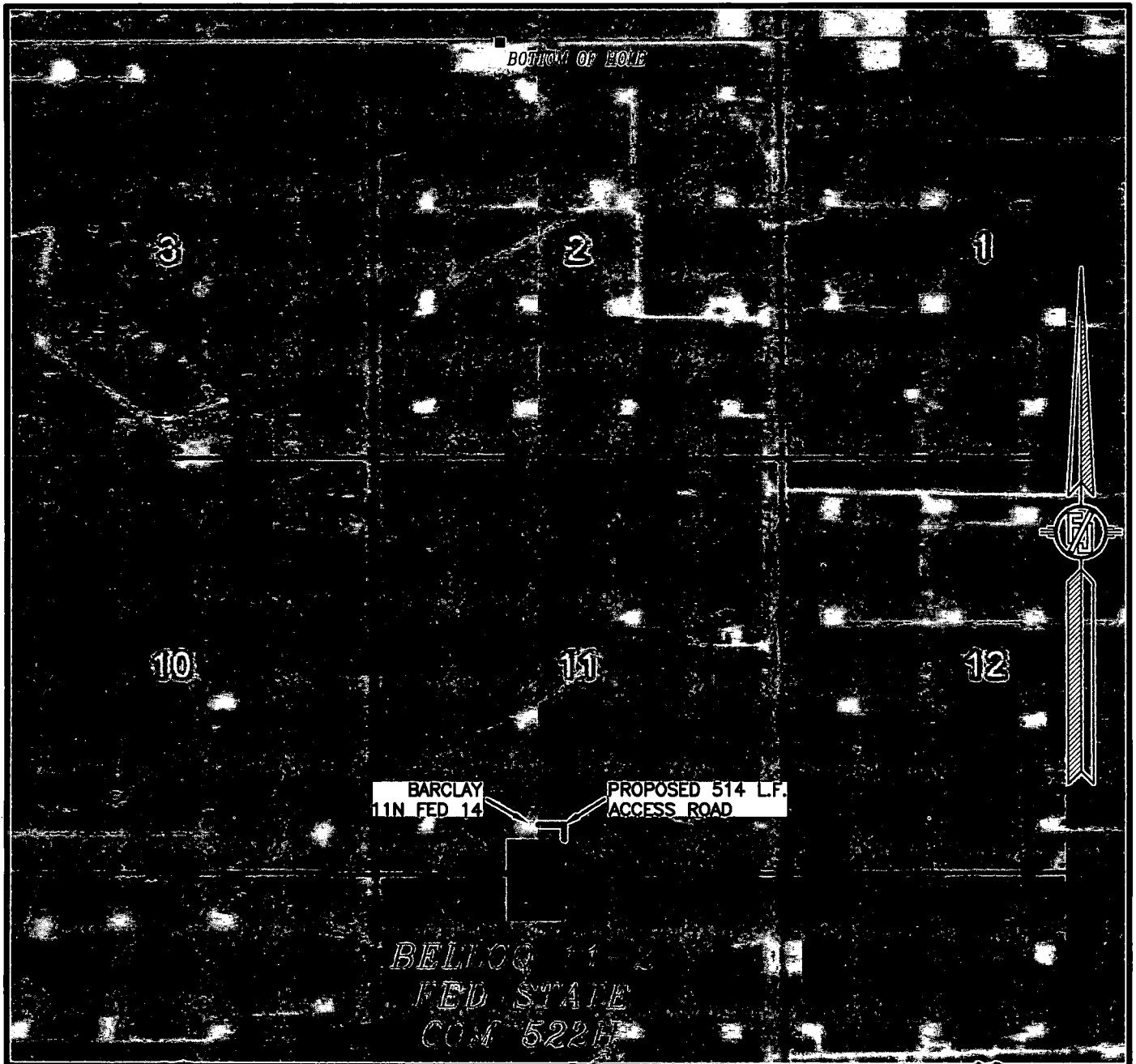
DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2018

MADRON SURVEYING, INC. 301 SOUTH CANAL
(575) 234-3341

SURVEY NO. 6180B
CARLSBAD, NEW MEXICO

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOV. 2017

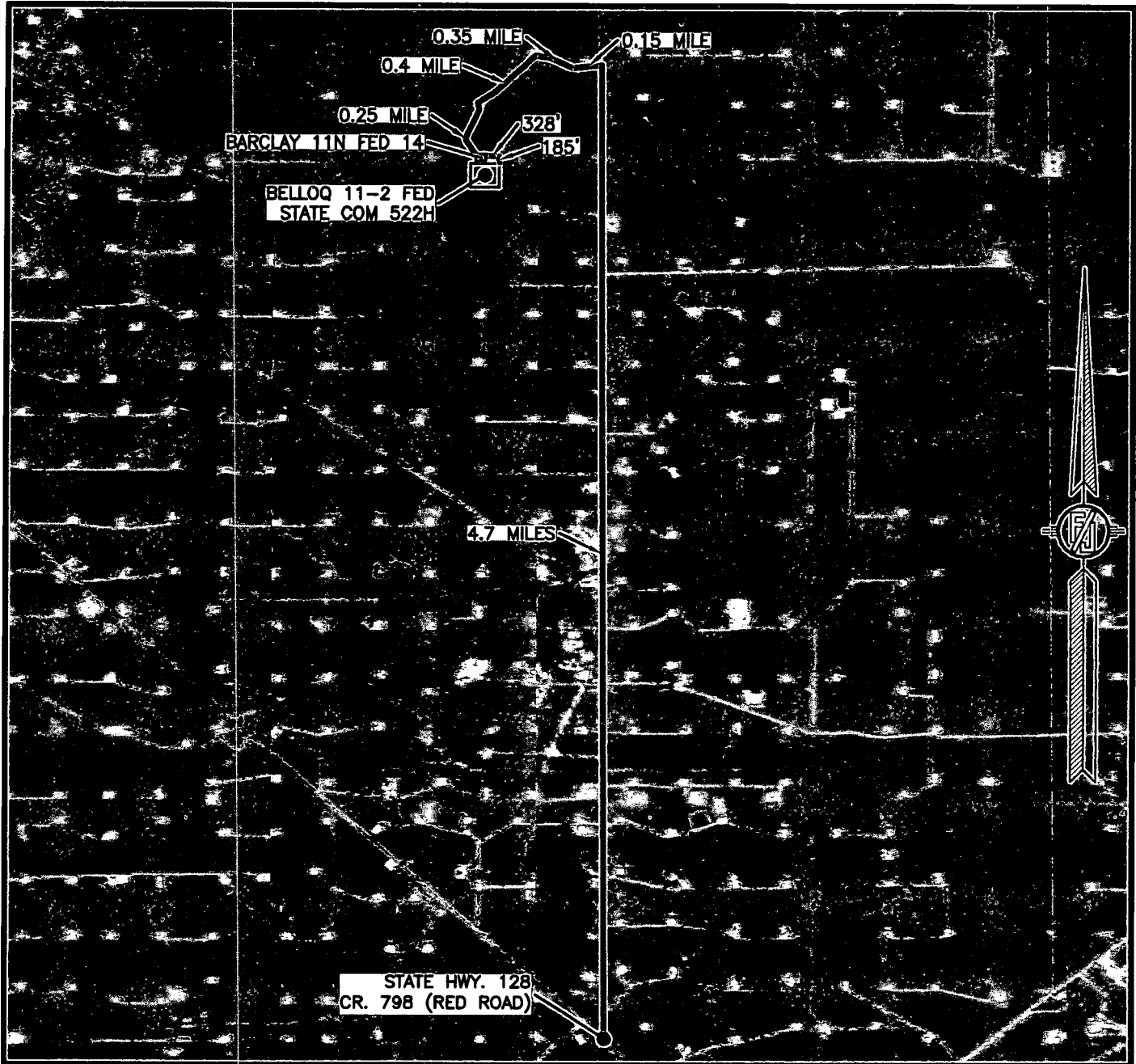
DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2018

SURVEY NO. 6180B

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL ACCESS ROUTE MAP



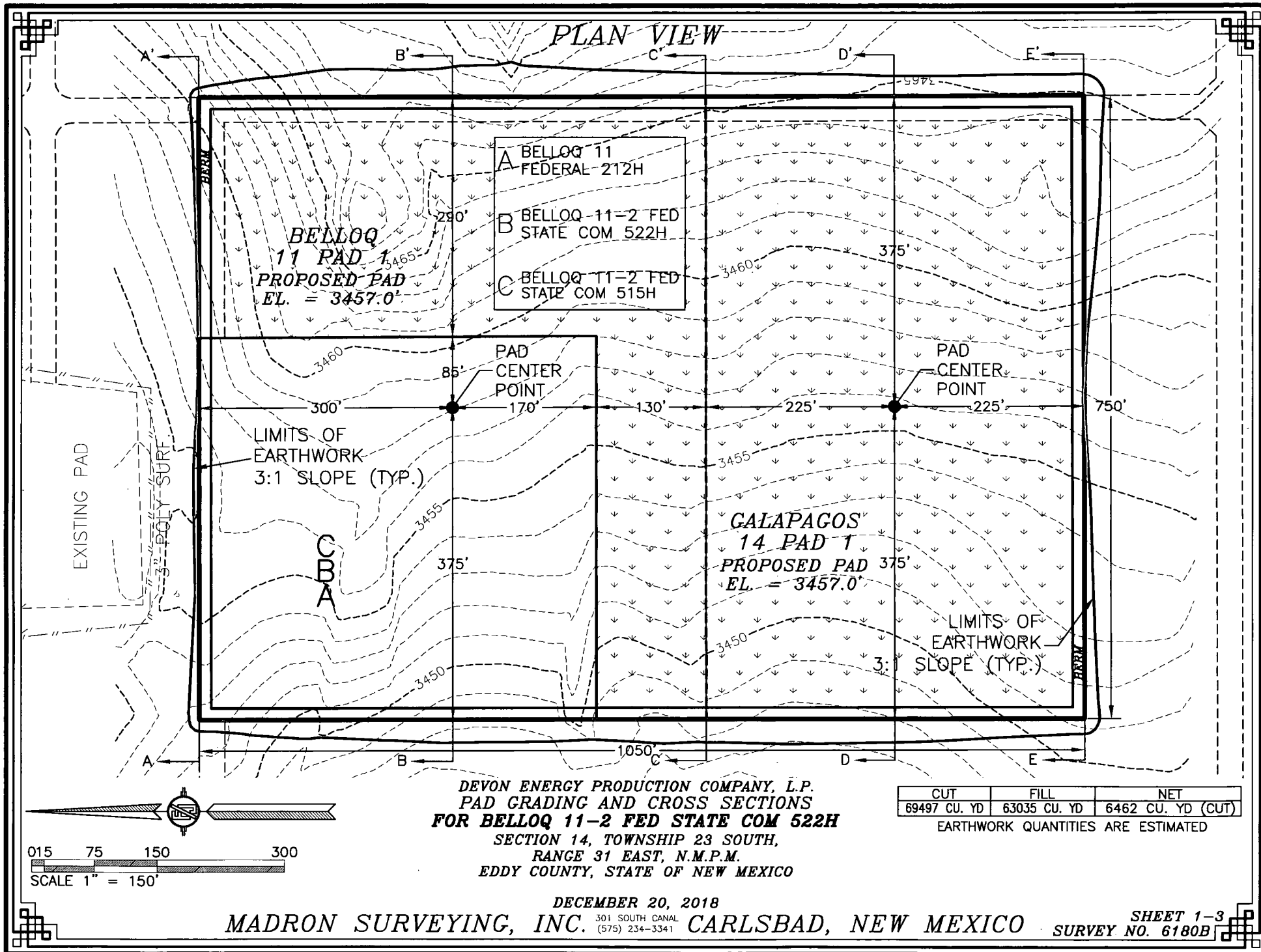
NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOV. 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2018

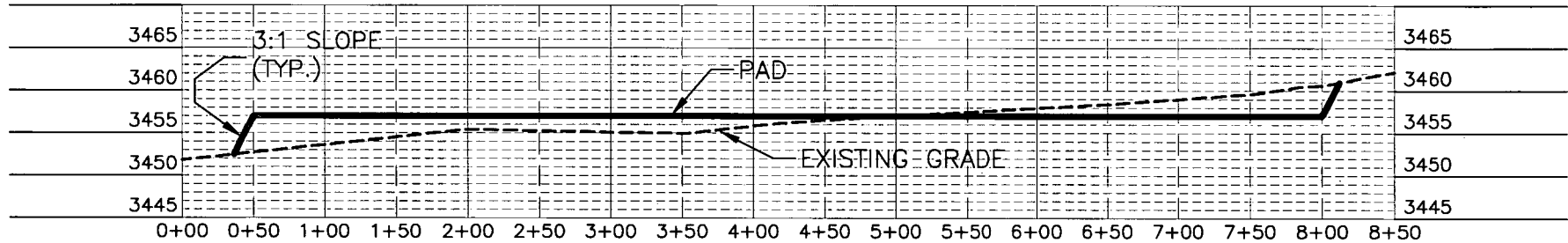
MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SURVEY NO. 6180B

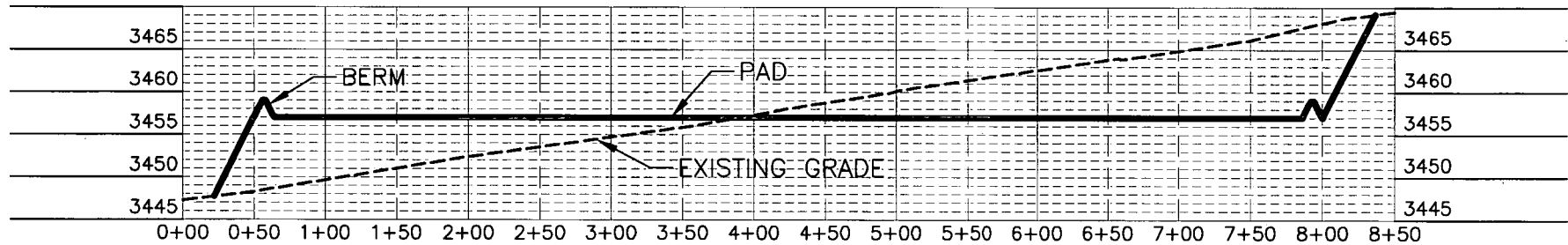


CROSS-SECTIONS

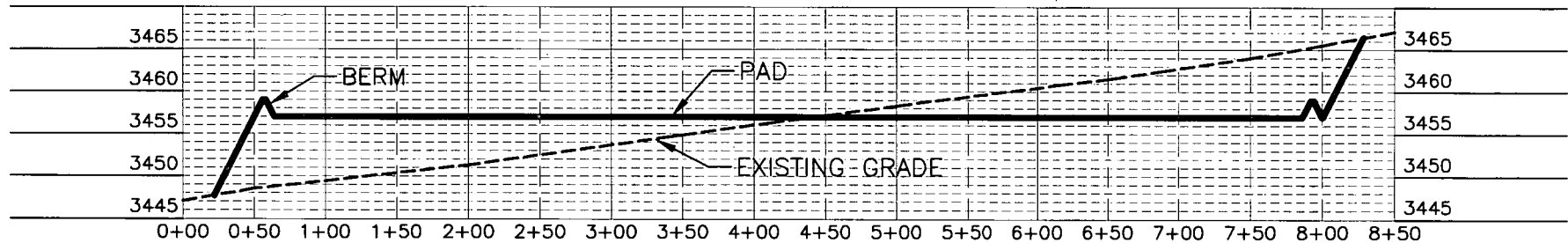
SECTION A-A'



SECTION B-B'



SECTION C-C'



012 60 120 240
SCALE 1" = 120' - 1" = 20' VER

DEVON ENERGY PRODUCTION COMPANY, L.P.
PAD GRADING AND CROSS SECTIONS
FOR BELLOQ 11-2 FED STATE COM 522H
SECTION 14, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

CUT	FILL	NET
69497 CU. YD	63035 CU. YD	6462 CU. YD (CUT)

EARTHWORK QUANTITIES ARE ESTIMATED

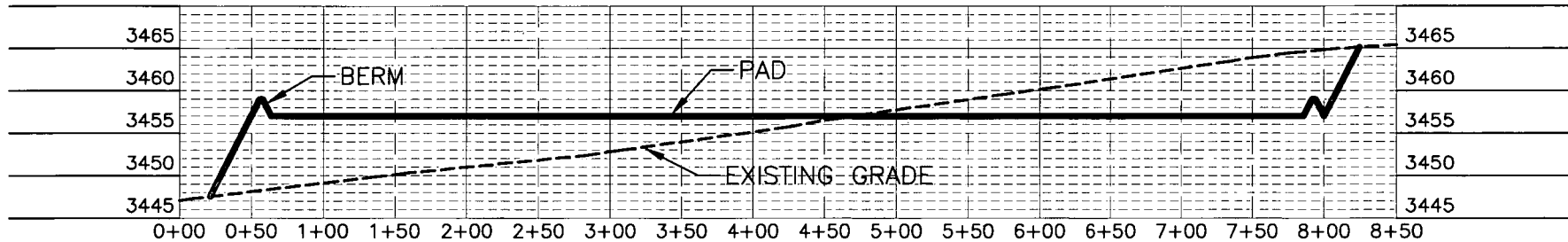
DECEMBER 20, 2018

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

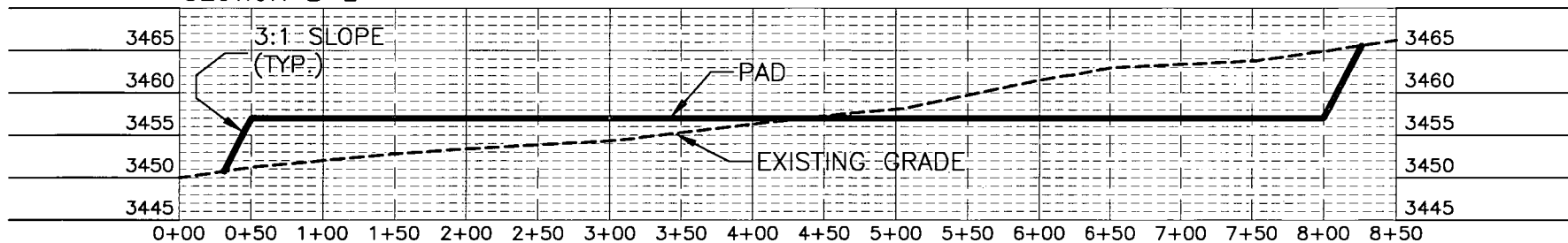
SHEET 2-3
SURVEY NO. 6180B

CROSS-SECTIONS

SECTION D-D'



SECTION E-E'



012 60 120 240
SCALE 1" = 120' - 1" = 20' VER

DEVON ENERGY PRODUCTION COMPANY, L.P.
PAD GRADING AND CROSS SECTIONS
FOR BELLOQ 11-2 FED STATE COM 522H
SECTION 14, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

CUT	FILL	NET
69497 CU. YD	63035 CU. YD	6462 CU. YD (CUT)

EARTHWORK QUANTITIES ARE ESTIMATED

DECEMBER 20, 2018

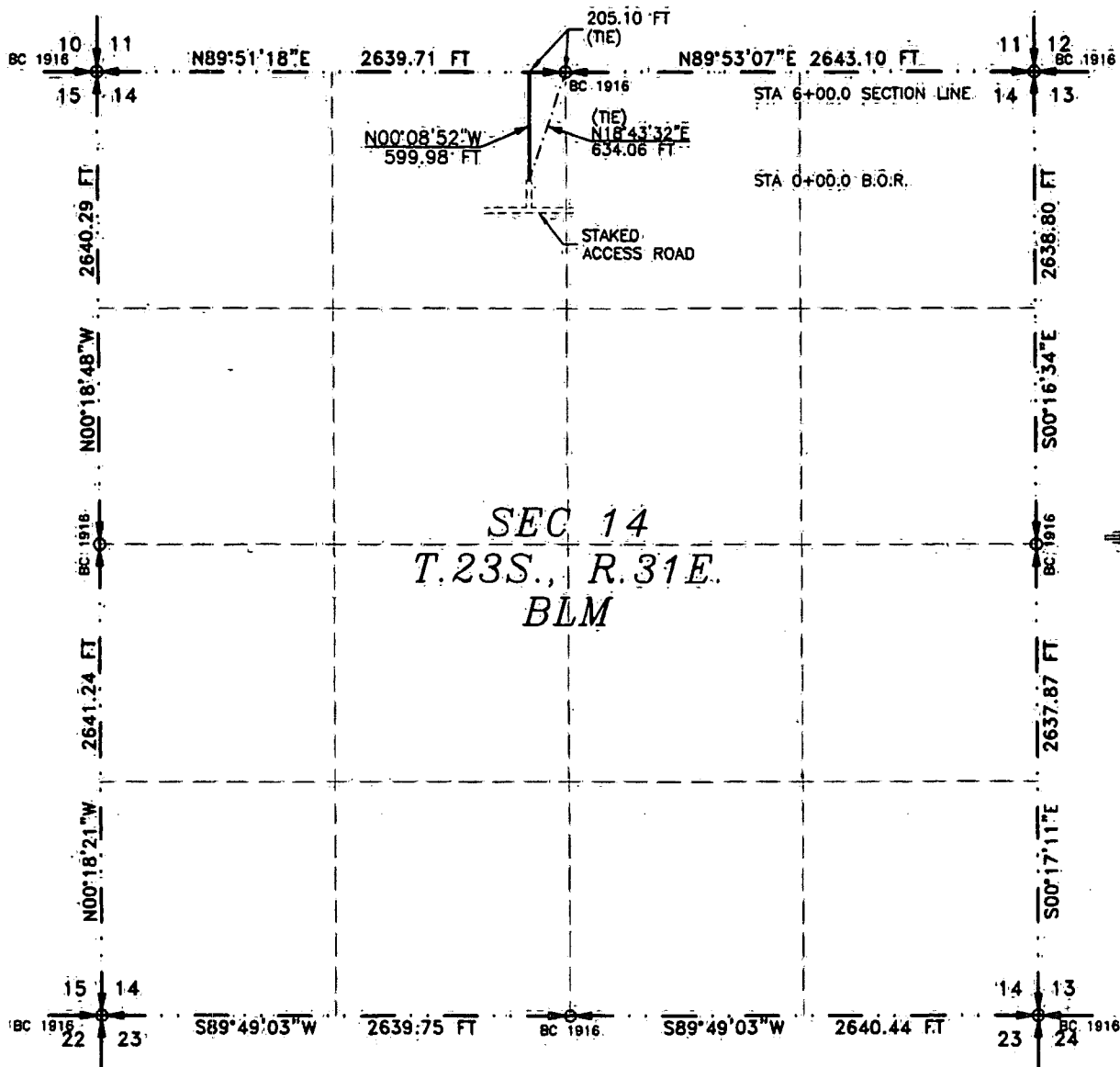
MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SHEET 3-3
SURVEY NO. 6180B

ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018



SEE NEXT SHEET (2-4) FOR DESCRIPTION

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 20 DAY OF DECEMBER 2018

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

FILMON F. JARAMILLO PLS. 12797

SURVEY NO. 6180B

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-4

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4, NW/4 OF SAID SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N18°43'32"E, A DISTANCE OF 634.06 FEET;
THENCE N00°08'52"W A DISTANCE OF 599.98 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N89°51'18"E, A DISTANCE OF 205.10 FEET;

SAID STRIP OF LAND BEING 599.98 FEET OR 36.36 RODS IN LENGTH, CONTAINING 0.413 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4 599.98 L.F. 36.36 RODS 0.413 ACRES

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 22ND DAY OF DECEMBER 2018

FILMON F. JARAMILLO
MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 2-4

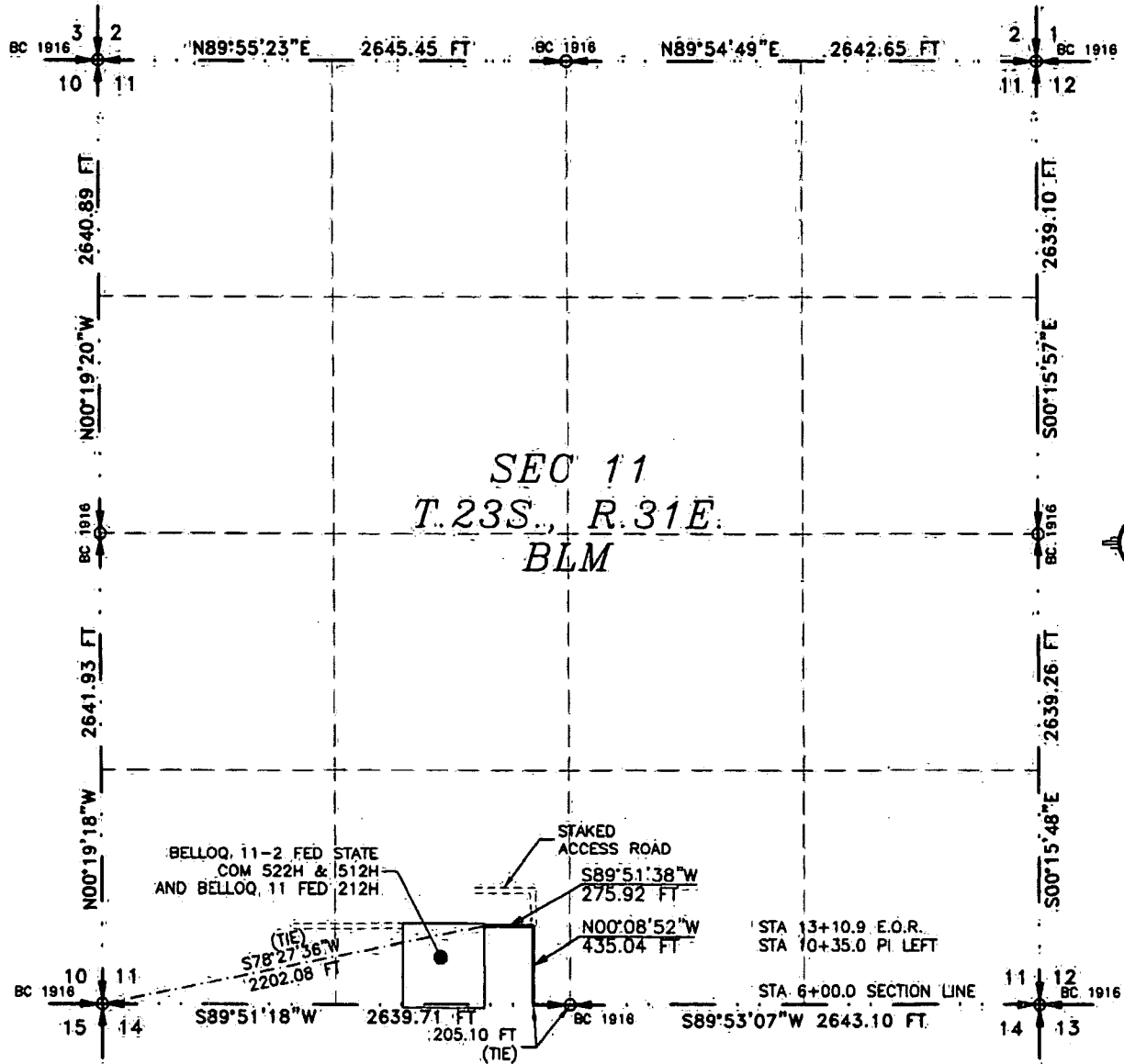
MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEY NO. 6180B

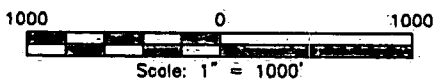
ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018



SEE NEXT SHEET (4-4) FOR DESCRIPTION



GENERAL NOTES

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88. (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21 DAY OF DECEMBER 2018

FILMON F. JARAMILLO, PLS. 12797
NEW MEXICO PROFESSIONAL SURVEYOR
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 6180B

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SHEET: 3-4

ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P. CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO DECEMBER 20, 2018

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 SW/4 OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N89°51'18"E, A DISTANCE OF 205.10 FEET;
THENCE N00°08'52"W A DISTANCE OF 435.04 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S89°51'38"W A DISTANCE OF 275.92 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHWEST CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S78°27'36"W, A DISTANCE OF 2202.08 FEET;

SAID STRIP OF LAND BEING 710.96 FEET OR 43.09 RODS IN LENGTH, CONTAINING 0.490 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4 710.96 L.F. 43.09 RODS 0.490 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 4-4

MADRON SURVEYING, INC.

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21 DAY OF DECEMBER 2018

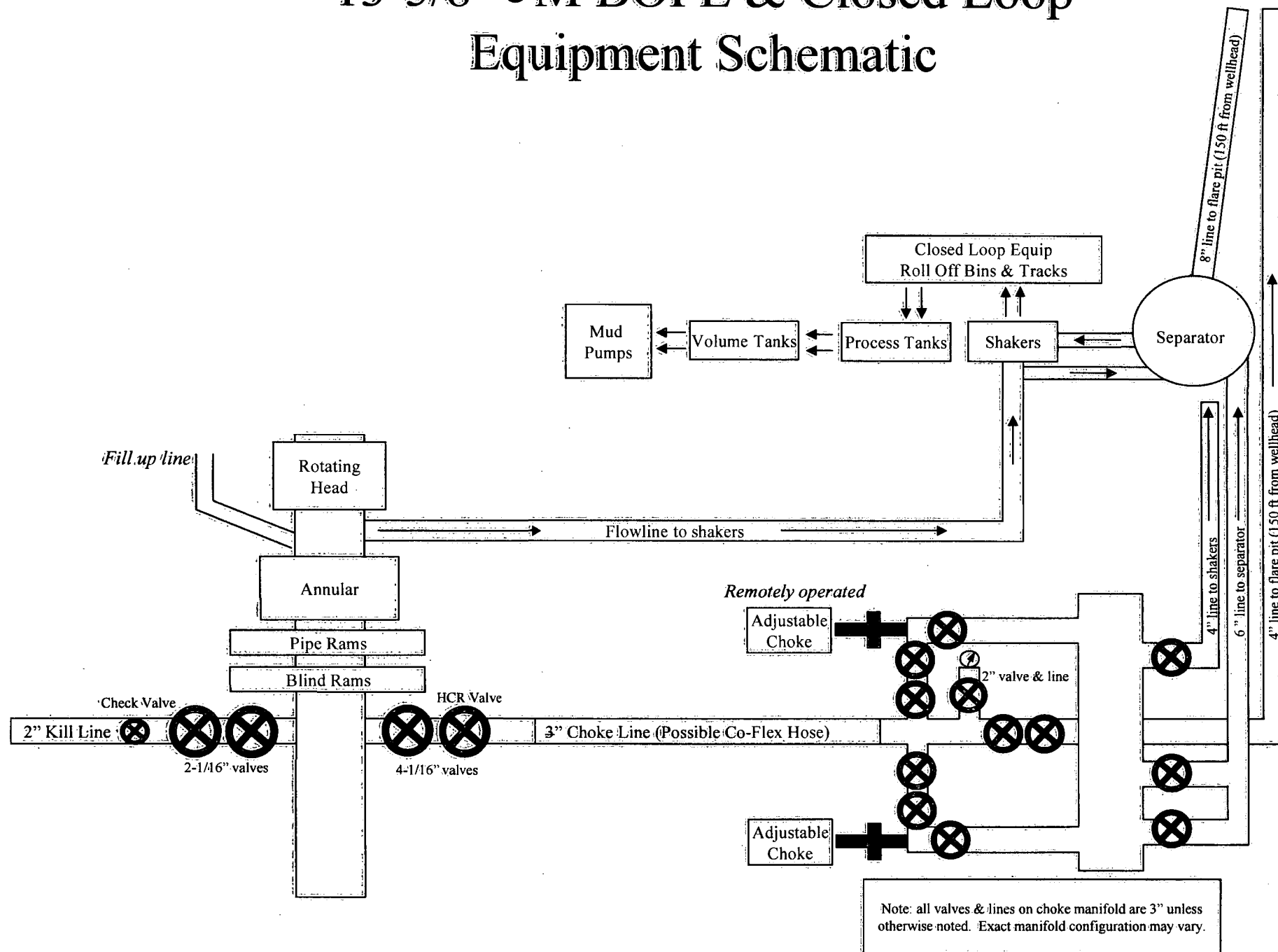
FILIMON F. JARAMILLO, PLS. 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

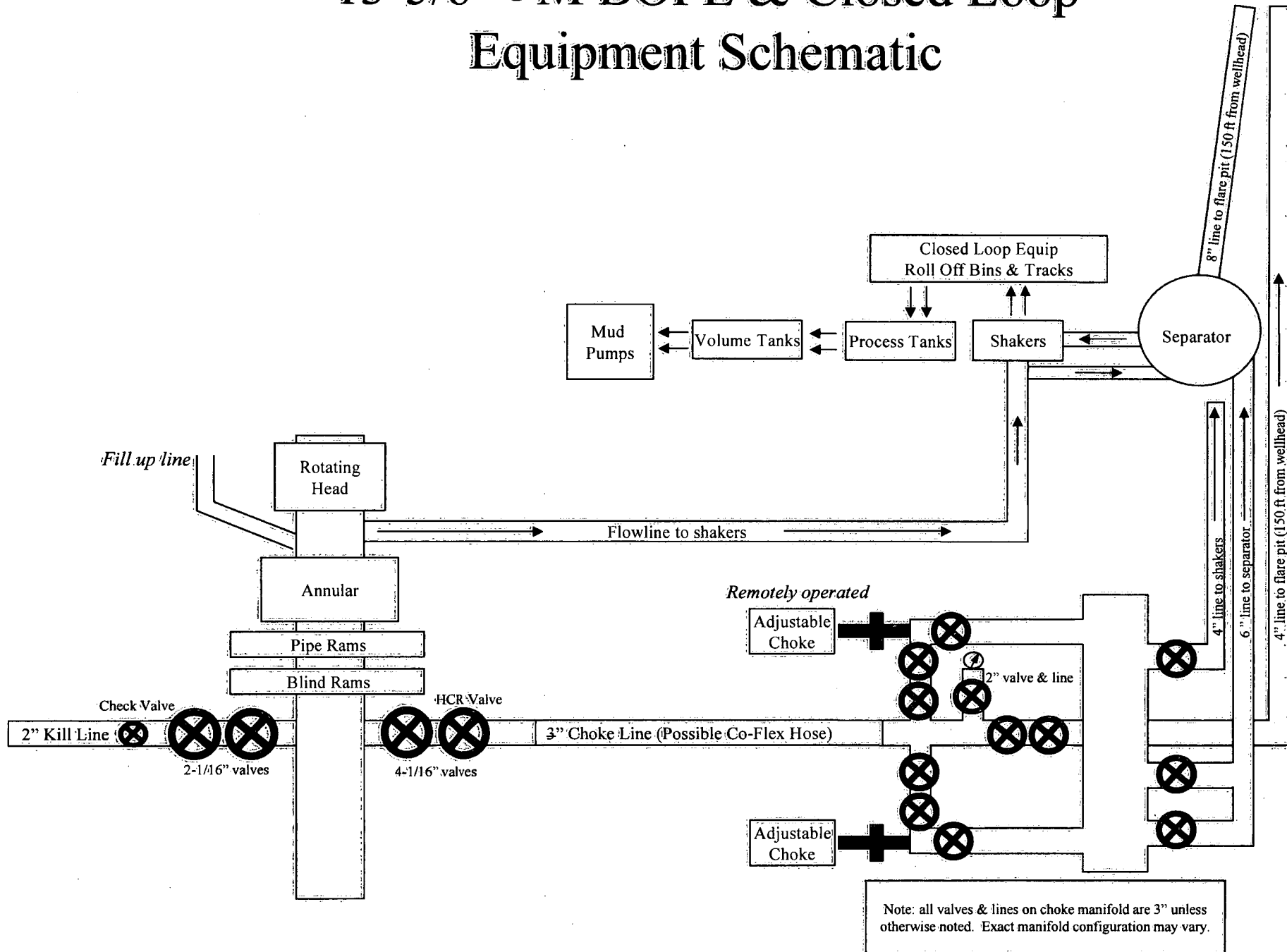
SURVEY NO. 6180B

CARLSBAD, NEW MEXICO

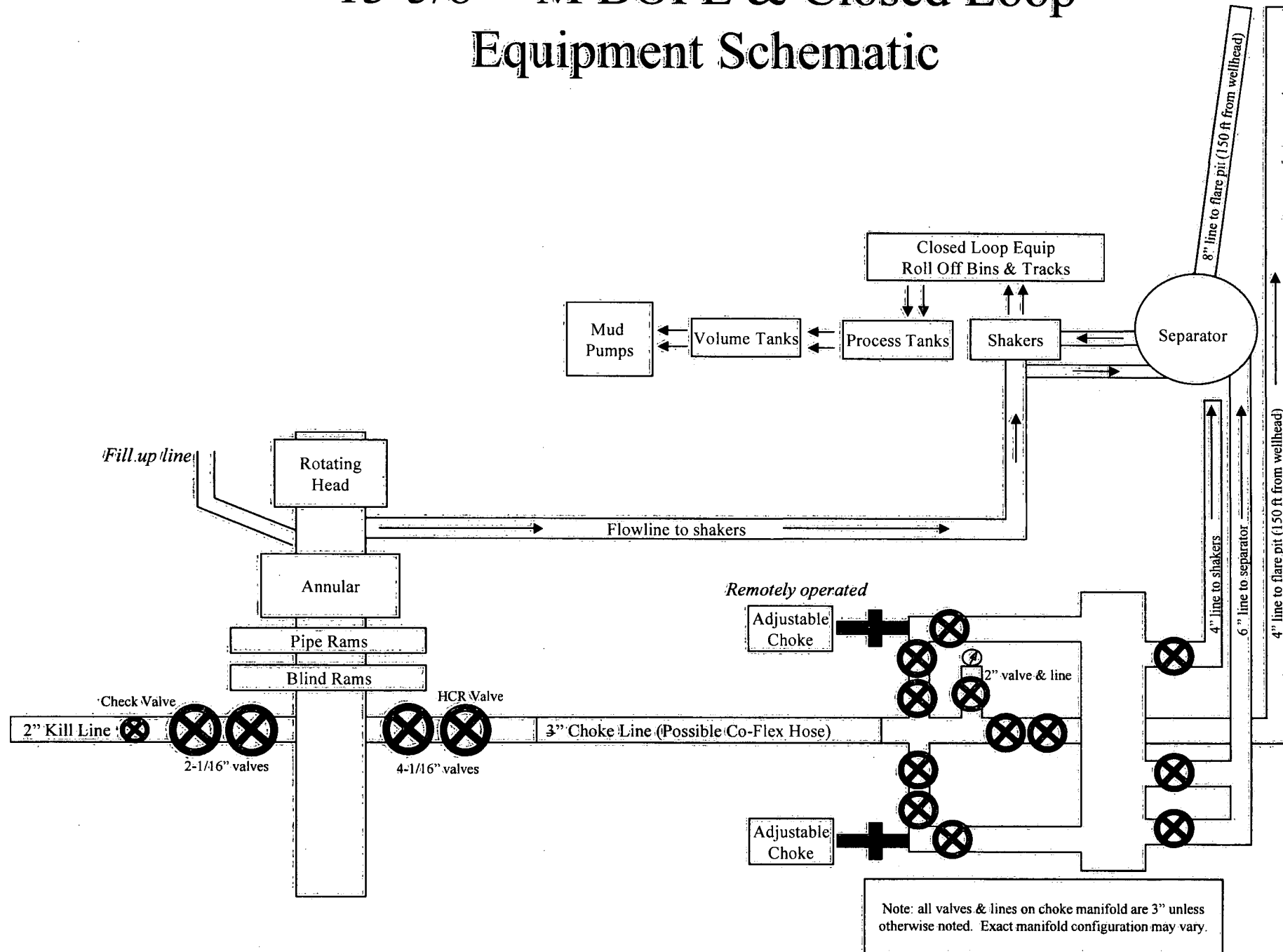
13-5/8" 5M BOPE & Closed Loop Equipment Schematic



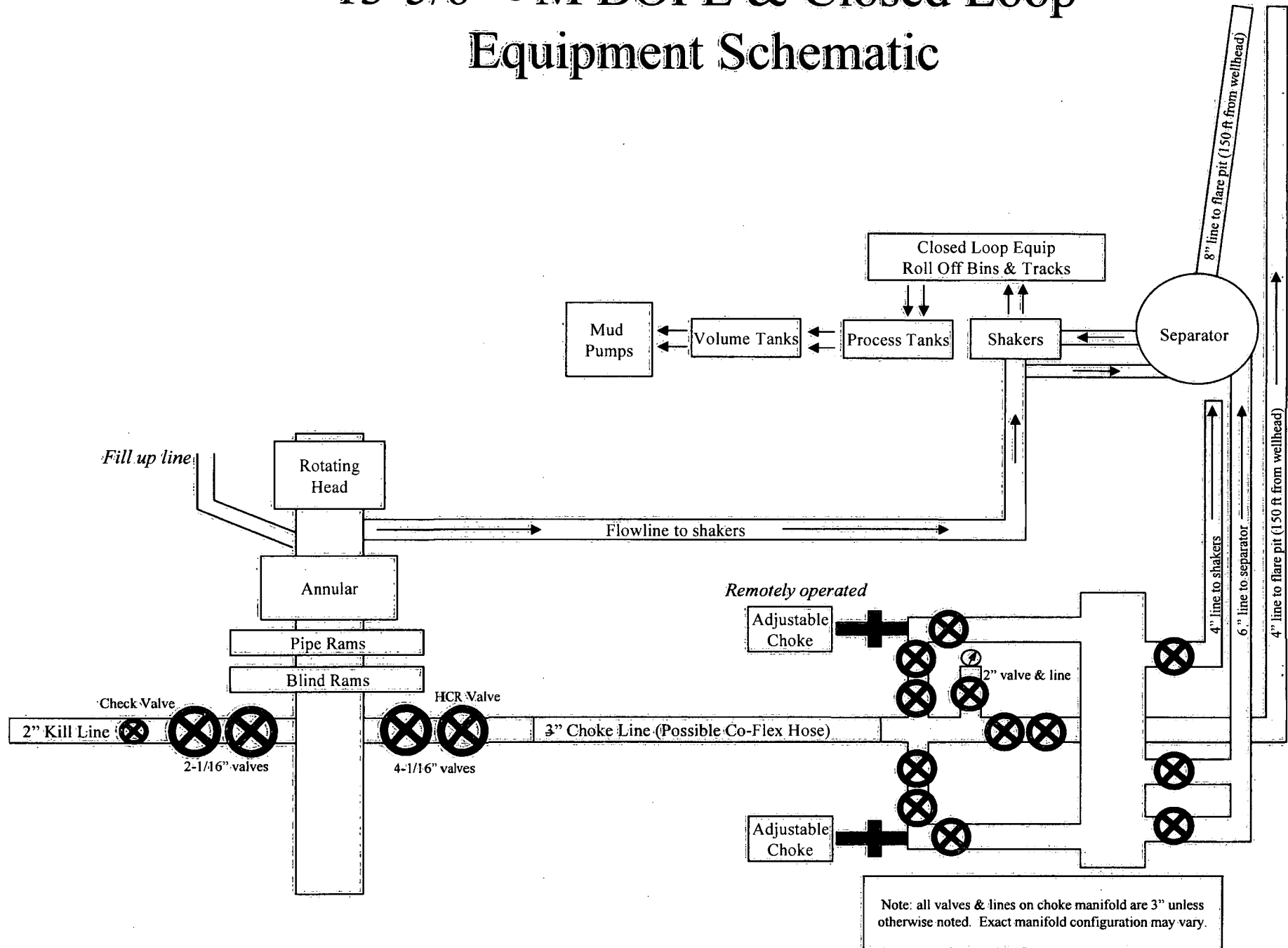
13-5/8" 5 M BOPE & Closed Loop Equipment Schematic



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



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



Casing Assumptions and Load Cases

Surface

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Surface Casing Burst Design		
Load Case	External Pressure	Internal Pressure
Pressure Test	Formation Pore Pressure	Max mud weight of next hole-section plus Test psi
Drill Ahead	Formation Pore Pressure	Max mud weight of next hole section
Displace to Gas	Formation Pore Pressure	Dry gas from next casing point

Surface Casing Collapse Design		
Load Case	External Pressure	Internal Pressure
Full Evacuation	Water gradient in cement, mud above TOC	None
Cementing	Wet cement weight	Water (8.33ppg)

Surface Casing Tension Design	
Load Case	Assumptions
Overpull	100kips
Runing in hole	3 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Intermediate

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Intermediate Casing Burst Design		
Load Case	External Pressure	Internal Pressure
Pressure Test	Formation Pore Pressure	Max mud weight of next hole-section plus Test psi
Drill Ahead	Formation Pore Pressure	Max mud weight of next hole section
Fracture @ Shoe	Formation Pore Pressure	Dry gas

Intermediate Casing Collapse Design		
Load Case	External Pressure	Internal Pressure
Full Evacuation	Water gradient in cement, mud above TOC	None
Cementing	Wet cement weight	Water (8.33ppg)

Intermediate Casing Tension Design	
Load Case	Assumptions
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A

Casing Assumptions and Load Cases

Production

All casing design assumptions were ran in Stress Check to determine safety factor which meet or exceed both Devon Energy and BLM minimum requirements. All casing strings will be filled while running in hole in order to not exceed collapse rating of the pipe.

Production Casing Burst Design		
Load Case	External Pressure	Internal Pressure
Pressure Test	Formation Pore Pressure	Fluid in hole (water or produced water) + test psi
Tubing Leak	Formation Pore Pressure	Packer @ KOP, leak below surface 8.6 ppg packer fluid
Stimulation	Formation Pore Pressure	Max frac pressure with heaviest frac fluid

Production Casing Collapse Design		
Load Case	External Pressure	Internal Pressure
Full Evacuation	Water gradient in cement, mud above TOC.	None
Cementing	Wet cement weight	Water (8.33ppg)

Production Casing Tension Design	
Load Case	Assumptions
Overpull	100kips
Runing in hole	2 ft/s
Service Loads	N/A



**Devon Energy Center
333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102-5015**

Hydrogen Sulfide (H₂S) Contingency Plan

For

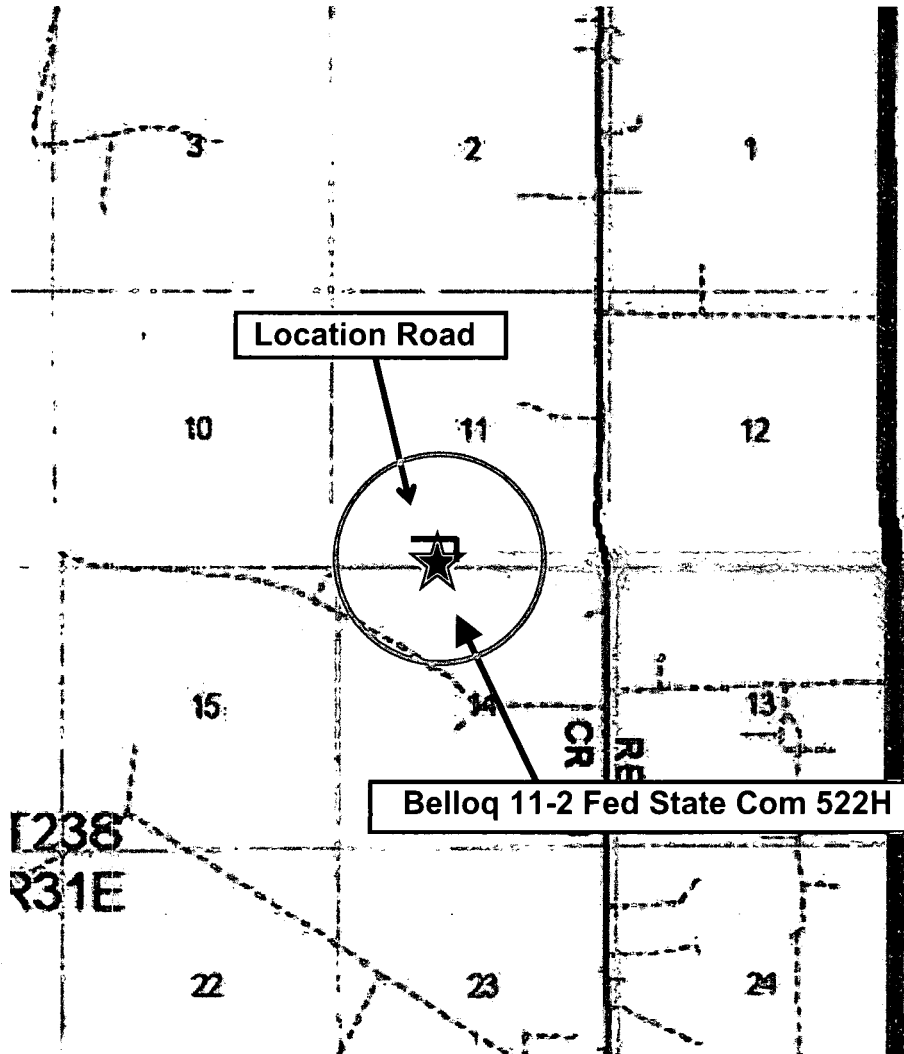
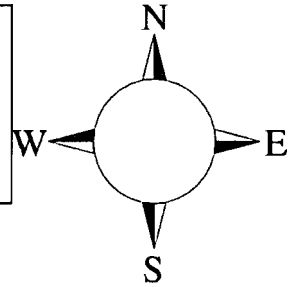
Belloq 11-2 Fed State Com 522H

**Sec-11 T-23S R-31E
300' FSL & 1880' FWL
LAT. = 32.3125559' N (NAD83)
LONG = 103.7510399' W**

Eddy County NM

Belloq 11-2 Fed State Com 522H

This is an open drilling site. H₂S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H₂S, including warning signs, wind indicators and H₂S monitor.



Assumed 100 ppm ROE = 3000' (Radius of Exposure)
100 ppm H₂S concentration shall trigger activation of this plan.

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crews should then block the entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are no homes or buildings in or near the ROE.

Assumed 100 ppm ROE = 3000'

100 ppm H₂S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, the first responder(s) must

- **Isolate the area and prevent entry by other persons into the 100 ppm ROE.**
- **Evacuate any public places encompassed by the 100 ppm ROE.**
- **Be equipped with H₂S monitors and air packs in order to control the release.**
- **Use the “buddy system” to ensure no injuries occur during the response**
- **Take precautions to avoid personal injury during this operation.**
- **Contact operator and/or local officials to aid in operation. See list of phone numbers attached.**
- **Have received training in the**
 - **Detection of H₂S, and**
 - **Measures for protection against the gas,**
 - **Equipment used for protection and emergency response.**

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Characteristics of H₂S and SO₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H₂S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

Contacting Authorities

Devon Energy Corp. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Devon Energy Corp. Company response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE (H₂S) TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H₂S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H₂S metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H₂S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan.

II. HYDROGEN SULFIDE TRAINING

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H₂S.

1. Well Control Equipment

- A. Flare line
- B. Choke manifold – Remotely Operated
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
- D. Auxiliary equipment may include if applicable: annular preventer and rotating head.
- E. Mud/Gas Separator

2. Protective equipment for essential personnel:

30-minute SCBA units located at briefing areas, as indicated on well site diagram, with escape units available in the top doghouse. As it may be difficult to communicate audibly while wearing these units, hand signals shall be utilized.

3. H₂S detection and monitoring equipment:

Portable H₂S monitors positioned on location for best coverage and response. These units have warning lights which activate when H₂S levels reach 10 ppm and audible sirens which activate at 15 ppm. Sensor locations:

- Bell nipple
- Possum Belly/Shale shaker
- Rig floor
- Choke manifold
- Cellar

Visual warning systems:

- A. Wind direction indicators as shown on well site diagram
- B. Caution/ Danger signs shall be posted on roads providing direct access to locations. Signs will be painted a high visibility yellow with black lettering of sufficient size to be reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

4. Mud program:

The mud program has been designed to minimize the volume of H₂S circulated to surface. Proper mud weight, safe drilling practices and the use of H₂S scavengers will minimize hazards when penetrating H₂S bearing zones.

5. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold lines, and valves shall be H₂S trim.
- B. All elastomers used for packing and seals shall be H₂S trim.

6. Communication:

- A. Company personnel have/use cellular telephones in the field.
- B. Land line (telephone) communications at Office

7. Well testing:

- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safety and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H₂S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

<u>Devon Energy Corp. Company Call List</u>		
Drilling Supervisor – Basin – Mark Kramer		405-823-4796
EHS Professional – Laura Wright		405-439-8129
<u>Agency Call List</u>		
<u>Lea County (575)</u>	Hobbs	
	Lea County Communication Authority	393-3981
	State Police	392-5588
	City Police	397-9265
	Sheriff's Office	393-2515
	Ambulance	911
	Fire Department	397-9308
	LEPC (Local Emergency Planning Committee)	393-2870
	NMOCD	393-6161
	US Bureau of Land Management	393-3612
<u>Eddy County (575)</u>	Carlsbad	
	State Police	885-3137
	City Police	885-2111
	Sheriff's Office	887-7551
	Ambulance	911
	Fire Department	885-3125
	LEPC (Local Emergency Planning Committee)	887-3798
	US Bureau of Land Management	887-6544
	NM Emergency Response Commission (Santa Fe)	(505) 476-9600
	24 HR	(505) 827-9126
	National Emergency Response Center	(800) 424-8802
	National Pollution Control Center: Direct	(703) 872-6000
	For Oil Spills	(800) 280-7118
	Emergency Services	
	Wild Well Control	(281) 784-4700
	Cudd Pressure Control	(915) 699-0139 (915) 563-3356
	Halliburton	(575) 746-2757
	B. J. Services	(575) 746-3569
<u>Give GPS position:</u>	Native Air – Emergency Helicopter – Hobbs	(575) 392-6429
	Flight For Life - Lubbock, TX	(806) 743-9911
	Aerocare - Lubbock, TX	(806) 747-8923
	Med Flight Air Amb - Albuquerque, NM	(575) 842-4433
	Lifeguard Air Med Svc. Albuquerque, NM	(800) 222-1222
	Poison Control (24/7)	(575) 272-3115
	Oil & Gas Pipeline 24 Hour Service	(800) 364-4366
	NOAA – Website - www.nhc.noaa.gov	

Prepared in conjunction with
Dave Small



Devon Energy

Project: Eddy County, NM (NAD-83)
 Site: Belloq 11-2 Fed State Com
 Well: Belloq 11-2 Fed State Com 522H
 Wellbore: OH
 Design: Plan #2



Azimuths to Grid North
 True North: -0.31°
 Magnetic North: 6.54°
 Magnetic Field
 Strength: 48018.5nT
 Dip Angle: 60.05°
 Date: 1/21/2019
 Model: HDGM

PROJECT DETAILS: Eddy County, NM (NAD-83)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 Datum: 3455.6' GE + 23.5' KB @ 3479.10usft

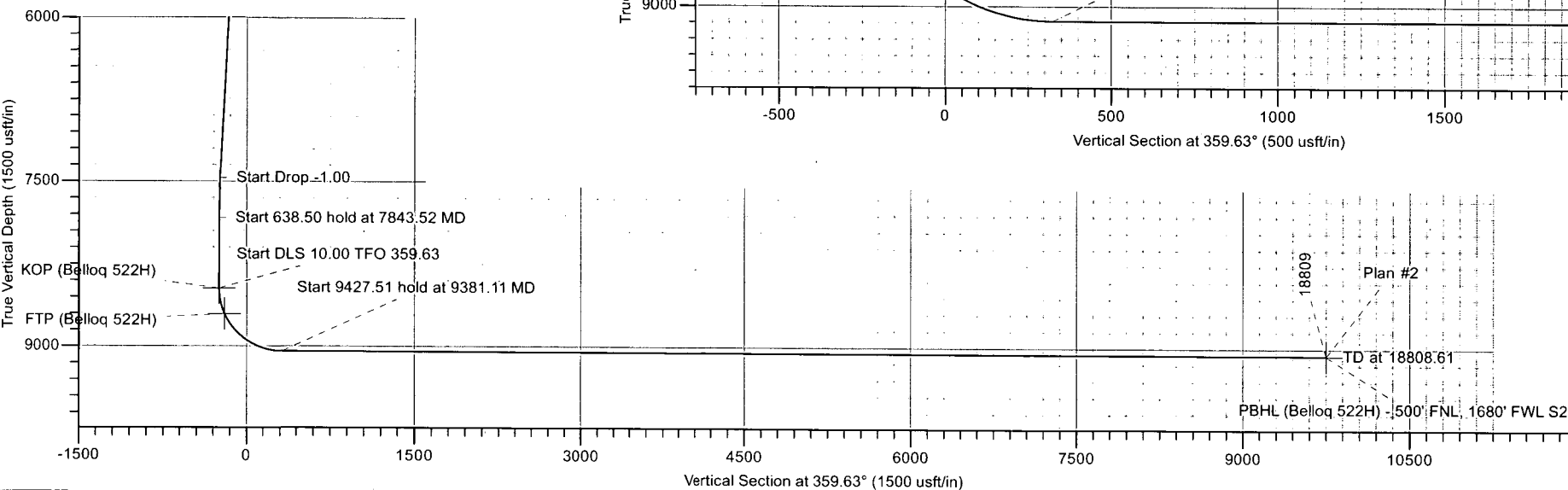
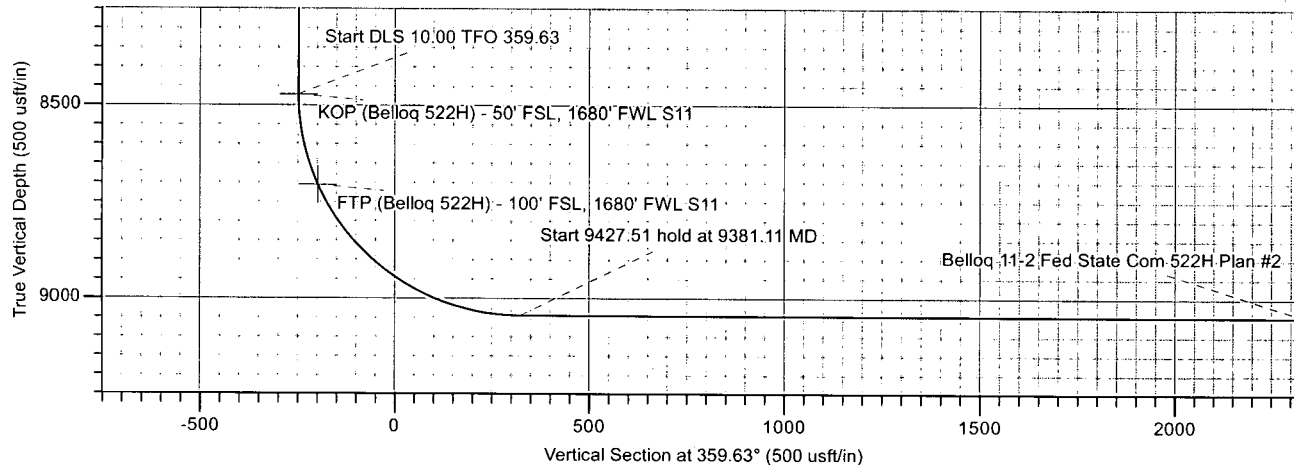
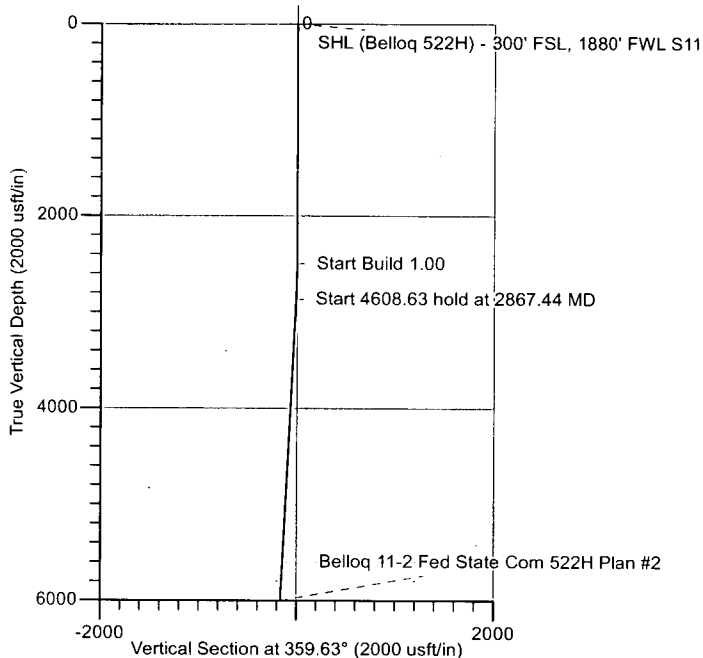


SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00
2867.44	3.67	218.38	2867.19	-9.23	-7.31	1.00	218.38	-9.19
7476.07	3.67	218.38	7466.35	-240.77	-190.69	0.00	0.00	-239.53
7843.52	0.00	0.00	7833.54	-250.00	-198.00	1.00	180.00	-248.72
8482.02	0.00	0.00	8472.04	-250.00	-198.00	0.00	0.00	-248.72
9381.11	89.91	359.63	9045.00	322.03	-201.72	10.00	359.63	323.33
18808.61	89.91	359.63	9060.00	9749.33	-263.00	0.00	0.00	9750.83

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (Belloq 522H)	8706.13	-200.00	-198.33	477728.81	721029.53	32° 18' 43.2326 N	103° 45' 6.0671 W
KOP (Belloq 522H)	8472.04	-250.00	-198.00	477678.81	721029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
PBHL (Belloq 522H)	9060.00	9749.33	-263.00	487678.14	720964.86	32° 20' 21.6886 N	103° 45' 6.1914 W
SHL (Belloq 522H)	0.00	0.00	0.00	477928.81	721227.86	32° 18' 45.2010 N	103° 45' 3.7435 W



LEAM DRILLING SERVICES
 2010 East Davis, Conroe, Texas 77301
 Phone: 936/756-7618, Fax: 936/756-7595

Plan: Plan #2 (Belloq 11-2 Fed State Com 522H/OH)
 Belloq 11-2 Fed State Com
 Created By: Dustin Ault Date: 12/16, January 23 2019
 Date: _____
 Approved: _____ Date: _____

Devon Energy

Project: Eddy County, NM (NAD-83)
Site: Belloq 11-2 Fed State Com
Well: Belloq 11-2 Fed State Com 522H
Wellbore: OH
Design: Plan #2



Azimuths to Grid North
True North: -0.31°
Magnetic North: 6.54°

Magnetic Field
Strength: 48018.5nT
Dip Angle: 60.05°
Date: 1/21/2019
Model: HDGM

devon

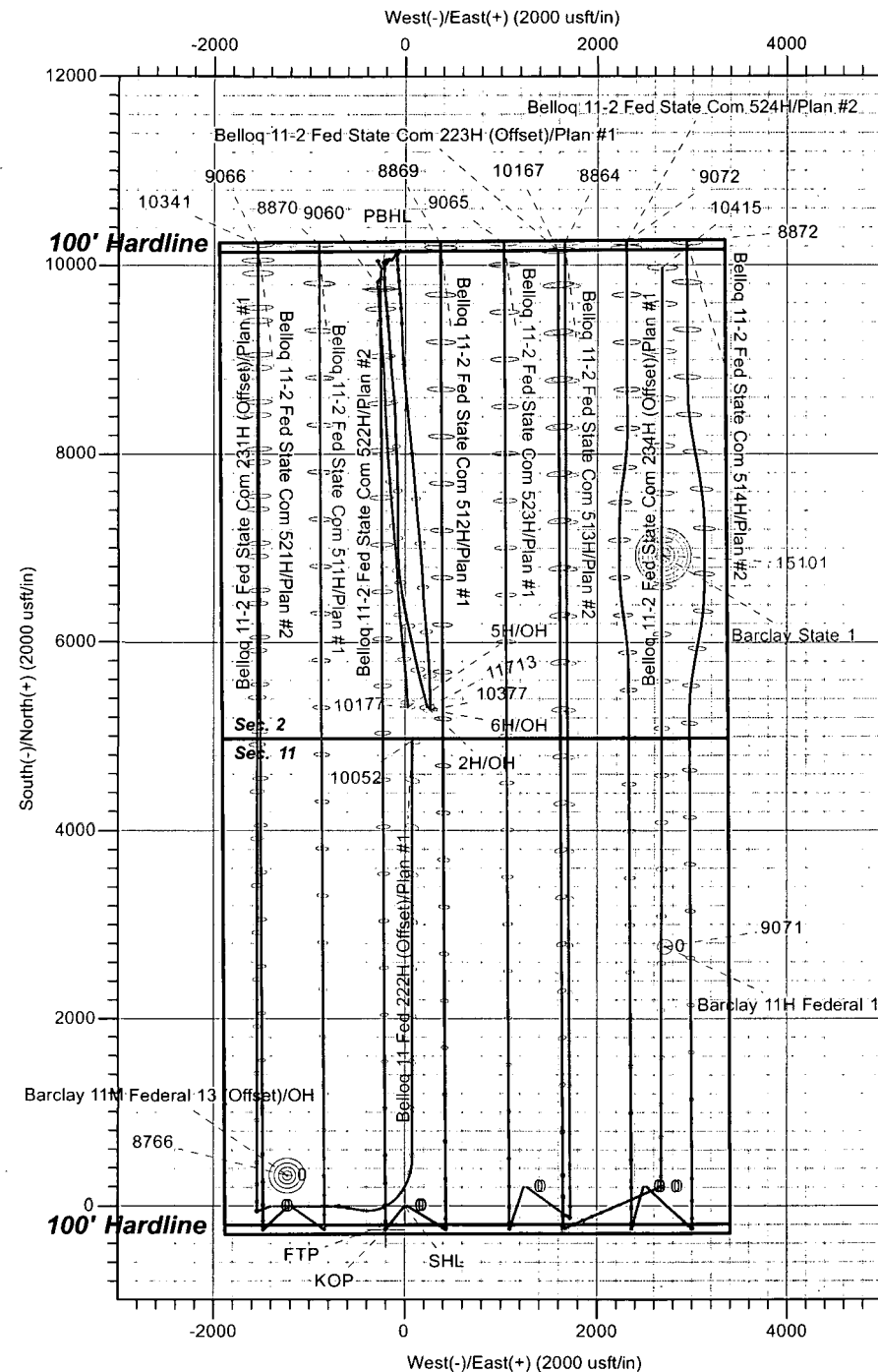
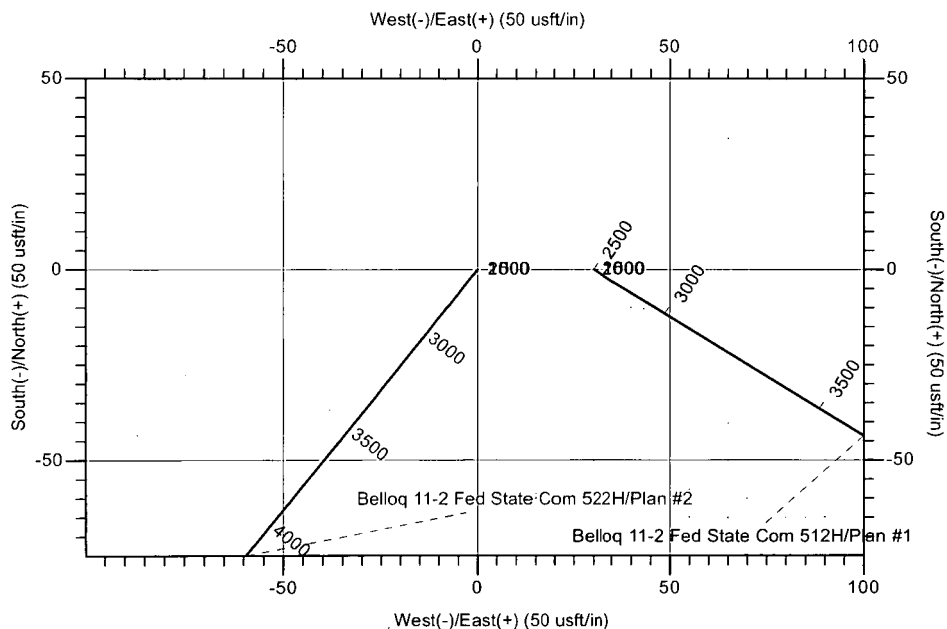
PROJECT DETAILS: Eddy County, NM (NAD-83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (Belloq 522H)	8706.13	-200.00	-198.33	477728.81	721029.53	32° 18' 43.2326 N	103° 45' 6.0671 W
KOP (Belloq 522H)	8472.04	-250.00	-198.00	477678.81	721029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
PBHL (Belloq 522H)	9060.00	9749.33	-263.00	487678.14	720964.86	32° 20' 21.6886 N	103° 45' 6.1914 W
SHL (Belloq 522H)	0.00	0.00	0.00	477928.81	721227.86	32° 18' 45.2010 N	103° 45' 3.7435 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	
2867.44	3.67	218.38	2867.19	-9.23	-7.31	1.00	218.38	-9.19	
7476.07	3.67	218.38	7466.35	-240.77	-190.69	0.00	0.00	-239.53	
7843.52	0.00	0.00	7833.54	-250.00	-198.00	1.00	180.00	-248.72	
8482.02	0.00	0.00	8472.04	-250.00	-198.00	0.00	0.00	-248.72	
9381.11	89.91	359.63	9045.00	322.03	-201.72	10.00	359.63	323.33	
18808.61	89.91	359.63	9060.00	9749.33	-263.00	0.00	0.00	9750.83	



LEAM DRILLING SYSTEMS LLC
2010 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax: 936/756-7595

Plan: Plan #2 (Belloq 11-2 Fed State Com 522H/OH)
Belloq 11-2 Fed State Com
Created By: Dustin Ault
Date: 12:17, January 23 2019
Approved: _____ Date: _____

Devon Energy

Eddy County, NM (NAD-83)

Belloq 11-2 Fed State Com

Belloq 11-2 Fed State Com 522H

OH

Plan: Plan #2

Standard Planning Report - Geographic

23 January, 2019

LEAM Drilling Services

Planning Report - Geographic

Database:	EDM 5000.1 Multi User Db	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Company:	Devon Energy	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site:	Belloq 11-2 Fed State Com	North Reference:	Grid
Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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

Site		Belloq 11-2 Fed State Com			
Site Position:		Northing:	477,925.73 usft	Latitude:	32° 18' 45.2359 N
From:	Map	Easting:	720,008.09 usft	Longitude:	103° 45' 17.9570 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.31 °

Well	Belloq 11-2 Fed State Com 522H					
Well Position	+N/-S	0.00 usft	Northing:	477,928.81 usft	Latitude:	32° 18' 45.2010 N
	+E/-W	0.00 usft	Easting:	721,227.86 usft	Longitude:	103° 45' 3.7435 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,455.60 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	1/21/2019	6.85	60.05	48,019

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	359.63

Plan Sections:										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,867.44	3.67	218.38	2,867.19	-9.23	-7.31	1.00	1.00	0.00	218.38	
7,476.07	3.67	218.38	7,466.35	-240.77	-190.69	0.00	0.00	0.00	0.00	
7,843.52	0.00	0.00	7,833.54	-250.00	-198.00	1.00	-1.00	0.00	180.00	
8,482.02	0.00	0.00	8,472.04	-250.00	-198.00	0.00	0.00	0.00	0.00	
9,381.11	89.91	359.63	9,045.00	322.03	-201.72	10.00	10.00	-0.04	359.63	
18,808.61	89.91	359.63	9,060.00	9,749.33	-263.00	0.00	0.00	0.00	0.00	PBHL (Belloq 522H) -

LEAM Drilling Services

Planning Report - Geographic

Database:	EDM 5000.1 Multi User Db	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Company:	Devon Energy	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site:	Belloq 11-2 Fed State Com	North Reference:	Grid
Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
SHL (Belloq 522H) - 300' FSL, 1880' FWL S11									
100.00	0.00	0.00	100.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
200.00	0.00	0.00	200.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
300.00	0.00	0.00	300.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
400.00	0.00	0.00	400.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
500.00	0.00	0.00	500.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
600.00	0.00	0.00	600.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
700.00	0.00	0.00	700.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
800.00	0.00	0.00	800.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
900.00	0.00	0.00	900.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,100.00	0.00	0.00	1,100.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,200.00	0.00	0.00	1,200.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,500.00	0.00	0.00	1,500.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,600.00	0.00	0.00	1,600.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,700.00	0.00	0.00	1,700.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,800.00	0.00	0.00	1,800.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
1,900.00	0.00	0.00	1,900.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,000.00	0.00	0.00	2,000.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,100.00	0.00	0.00	2,100.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,200.00	0.00	0.00	2,200.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,300.00	0.00	0.00	2,300.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,400.00	0.00	0.00	2,400.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,500.00	0.00	0.00	2,500.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
2,600.00	1.00	218.38	2,599.99	-0.68	-0.54	477,928.13	721,227.31	32° 18' 45.1943 N	103° 45' 3.7498 W
2,700.00	2.00	218.38	2,699.96	-2.74	-2.17	477,926.07	721,225.69	32° 18' 45.1741 N	103° 45' 3.7689 W
2,800.00	3.00	218.38	2,799.86	-6.16	-4.88	477,922.66	721,222.98	32° 18' 45.1404 N	103° 45' 3.8007 W
2,867.44	3.67	218.38	2,867.19	-9.23	-7.31	477,919.58	721,220.54	32° 18' 45.1101 N	103° 45' 3.8293 W
2,900.00	3.67	218.38	2,899.68	-10.87	-8.61	477,917.94	721,219.25	32° 18' 45.0939 N	103° 45' 3.8444 W
3,000.00	3.67	218.38	2,999.48	-15.89	-12.59	477,912.92	721,215.27	32° 18' 45.0444 N	103° 45' 3.8911 W
3,100.00	3.67	218.38	3,099.27	-20.92	-16.57	477,907.89	721,211.29	32° 18' 44.9949 N	103° 45' 3.9378 W
3,200.00	3.67	218.38	3,199.06	-25.94	-20.54	477,902.87	721,207.31	32° 18' 44.9454 N	103° 45' 3.9845 W
3,300.00	3.67	218.38	3,298.86	-30.96	-24.52	477,897.85	721,203.33	32° 18' 44.8959 N	103° 45' 4.0312 W
3,400.00	3.67	218.38	3,398.65	-35.99	-28.50	477,892.82	721,199.35	32° 18' 44.8464 N	103° 45' 4.0779 W
3,500.00	3.67	218.38	3,498.45	-41.01	-32.48	477,887.80	721,195.37	32° 18' 44.7969 N	103° 45' 4.1245 W
3,600.00	3.67	218.38	3,598.24	-46.04	-36.46	477,882.77	721,191.40	32° 18' 44.7474 N	103° 45' 4.1712 W
3,700.00	3.67	218.38	3,698.04	-51.06	-40.44	477,877.75	721,187.42	32° 18' 44.6979 N	103° 45' 4.2179 W
3,800.00	3.67	218.38	3,797.83	-56.08	-44.42	477,872.73	721,183.44	32° 18' 44.6484 N	103° 45' 4.2646 W
3,900.00	3.67	218.38	3,897.63	-61.11	-48.40	477,867.70	721,179.46	32° 18' 44.5989 N	103° 45' 4.3113 W
4,000.00	3.67	218.38	3,997.42	-66.13	-52.38	477,862.68	721,175.48	32° 18' 44.5494 N	103° 45' 4.3580 W
4,100.00	3.67	218.38	4,097.21	-71.16	-56.36	477,857.65	721,171.50	32° 18' 44.4999 N	103° 45' 4.4046 W
4,200.00	3.67	218.38	4,197.01	-76.18	-60.33	477,852.63	721,167.52	32° 18' 44.4504 N	103° 45' 4.4513 W
4,300.00	3.67	218.38	4,296.80	-81.20	-64.31	477,847.61	721,163.54	32° 18' 44.4009 N	103° 45' 4.4980 W
4,400.00	3.67	218.38	4,396.60	-86.23	-68.29	477,842.58	721,159.56	32° 18' 44.3514 N	103° 45' 4.5447 W
4,500.00	3.67	218.38	4,496.39	-91.25	-72.27	477,837.56	721,155.59	32° 18' 44.3019 N	103° 45' 4.5914 W
4,600.00	3.67	218.38	4,596.19	-96.28	-76.25	477,832.54	721,151.61	32° 18' 44.2524 N	103° 45' 4.6380 W
4,700.00	3.67	218.38	4,695.98	-101.30	-80.23	477,827.51	721,147.63	32° 18' 44.2029 N	103° 45' 4.6847 W
4,800.00	3.67	218.38	4,795.78	-106.32	-84.21	477,822.49	721,143.65	32° 18' 44.1534 N	103° 45' 4.7314 W
4,900.00	3.67	218.38	4,895.57	-111.35	-88.19	477,817.46	721,139.67	32° 18' 44.1039 N	103° 45' 4.7781 W
5,000.00	3.67	218.38	4,995.36	-116.37	-92.17	477,812.44	721,135.69	32° 18' 44.0544 N	103° 45' 4.8248 W
5,100.00	3.67	218.38	5,095.16	-121.39	-96.14	477,807.42	721,131.71	32° 18' 44.0049 N	103° 45' 4.8715 W

LEAM Drilling Services

Planning Report - Geographic

Database:	EDM 5000.1 Multi User-Db	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Company:	Devon Energy	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site:	Belloq 11-2 Fed State Com	North Reference:	Grid
Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,200.00	3.67	218.38	5,194.95	-126.42	-100.12	477,802.39	721,127.73	32° 18' 43.9554 N	103° 45' 4.9181 W
5,300.00	3.67	218.38	5,294.75	-131.44	-104.10	477,797.37	721,123.75	32° 18' 43.9059 N	103° 45' 4.9648 W
5,400.00	3.67	218.38	5,394.54	-136.47	-108.08	477,792.34	721,119.77	32° 18' 43.8564 N	103° 45' 5.0115 W
5,500.00	3.67	218.38	5,494.34	-141.49	-112.06	477,787.32	721,115.80	32° 18' 43.8069 N	103° 45' 5.0582 W
5,600.00	3.67	218.38	5,594.13	-146.51	-116.04	477,782.30	721,111.82	32° 18' 43.7574 N	103° 45' 5.1049 W
5,700.00	3.67	218.38	5,693.93	-151.54	-120.02	477,777.27	721,107.84	32° 18' 43.7079 N	103° 45' 5.1516 W
5,800.00	3.67	218.38	5,793.72	-156.56	-124.00	477,772.25	721,103.86	32° 18' 43.6584 N	103° 45' 5.1982 W
5,900.00	3.67	218.38	5,893.51	-161.59	-127.98	477,767.22	721,099.88	32° 18' 43.6089 N	103° 45' 5.2449 W
6,000.00	3.67	218.38	5,993.31	-166.61	-131.96	477,762.20	721,095.90	32° 18' 43.5594 N	103° 45' 5.2916 W
6,100.00	3.67	218.38	6,093.10	-171.63	-135.93	477,757.18	721,091.92	32° 18' 43.5099 N	103° 45' 5.3383 W
6,200.00	3.67	218.38	6,192.90	-176.66	-139.91	477,752.15	721,087.94	32° 18' 43.4604 N	103° 45' 5.3850 W
6,300.00	3.67	218.38	6,292.69	-181.68	-143.89	477,747.13	721,083.96	32° 18' 43.4109 N	103° 45' 5.4316 W
6,400.00	3.67	218.38	6,392.49	-186.71	-147.87	477,742.10	721,079.99	32° 18' 43.3614 N	103° 45' 5.4783 W
6,500.00	3.67	218.38	6,492.28	-191.73	-151.85	477,737.08	721,076.01	32° 18' 43.3119 N	103° 45' 5.5250 W
6,600.00	3.67	218.38	6,592.08	-196.75	-155.83	477,732.06	721,072.03	32° 18' 43.2624 N	103° 45' 5.5717 W
6,700.00	3.67	218.38	6,691.87	-201.78	-159.81	477,727.03	721,068.05	32° 18' 43.2129 N	103° 45' 5.6184 W
6,800.00	3.67	218.38	6,791.66	-206.80	-163.79	477,722.01	721,064.07	32° 18' 43.1634 N	103° 45' 5.6651 W
6,900.00	3.67	218.38	6,891.46	-211.83	-167.77	477,716.99	721,060.09	32° 18' 43.1139 N	103° 45' 5.7117 W
7,000.00	3.67	218.38	6,991.25	-216.85	-171.74	477,711.96	721,056.11	32° 18' 43.0644 N	103° 45' 5.7584 W
7,100.00	3.67	218.38	7,091.05	-221.87	-175.72	477,706.94	721,052.13	32° 18' 43.0149 N	103° 45' 5.8051 W
7,200.00	3.67	218.38	7,190.84	-226.90	-179.70	477,701.91	721,048.15	32° 18' 42.9654 N	103° 45' 5.8518 W
7,300.00	3.67	218.38	7,290.64	-231.92	-183.68	477,696.89	721,044.17	32° 18' 42.9159 N	103° 45' 5.8985 W
7,400.00	3.67	218.38	7,390.43	-236.94	-187.66	477,691.87	721,040.20	32° 18' 42.8664 N	103° 45' 5.9451 W
7,476.07	3.67	218.38	7,466.35	-240.77	-190.69	477,688.04	721,037.17	32° 18' 42.8288 N	103° 45' 5.9807 W
7,500.00	3.44	218.38	7,490.23	-241.93	-191.61	477,686.88	721,036.25	32° 18' 42.8173 N	103° 45' 5.9915 W
7,600.00	2.44	218.38	7,590.10	-245.94	-194.79	477,682.87	721,033.07	32° 18' 42.7778 N	103° 45' 6.0288 W
7,700.00	1.44	218.38	7,690.04	-248.59	-196.88	477,680.22	721,030.97	32° 18' 42.7517 N	103° 45' 6.0534 W
7,800.00	0.44	218.38	7,790.02	-249.87	-197.90	477,678.94	721,029.96	32° 18' 42.7391 N	103° 45' 6.0652 W
7,843.52	0.00	0.00	7,833.54	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
7,900.00	0.00	0.00	7,890.02	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
8,000.00	0.00	0.00	7,990.02	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
8,100.00	0.00	0.00	8,090.02	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
8,200.00	0.00	0.00	8,190.02	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
8,300.00	0.00	0.00	8,290.02	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
8,400.00	0.00	0.00	8,390.02	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
8,482.02	0.00	0.00	8,472.04	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
KOP (Belloq 522H) - 50' FSL, 1680' FWL S11									
8,500.00	1.80	359.63	8,490.02	-249.72	-198.00	477,679.09	721,029.85	32° 18' 42.7406 N	103° 45' 6.0665 W
8,550.00	6.80	359.63	8,539.86	-245.97	-198.03	477,682.84	721,029.83	32° 18' 42.7777 N	103° 45' 6.0665 W
8,600.00	11.80	359.63	8,589.19	-237.90	-198.08	477,690.91	721,029.78	32° 18' 42.8576 N	103° 45' 6.0666 W
8,650.00	16.80	359.63	8,637.63	-225.55	-198.16	477,703.26	721,029.70	32° 18' 42.9797 N	103° 45' 6.0668 W
8,700.00	21.80	359.63	8,684.80	-209.03	-198.27	477,719.78	721,029.59	32° 18' 43.1432 N	103° 45' 6.0670 W
8,723.16	24.11	359.63	8,706.13	-200.00	-198.33	477,728.81	721,029.53	32° 18' 43.2326 N	103° 45' 6.0671 W
FTP (Belloq 522H) - 100' FSL, 1680' FWL S11									
8,750.00	26.80	359.63	8,730.36	-188.47	-198.40	477,740.35	721,029.46	32° 18' 43.3467 N	103° 45' 6.0672 W
8,800.00	31.80	359.63	8,773.95	-164.01	-198.56	477,764.80	721,029.30	32° 18' 43.5888 N	103° 45' 6.0675 W
8,850.00	36.80	359.63	8,815.24	-135.84	-198.74	477,792.97	721,029.11	32° 18' 43.8675 N	103° 45' 6.0679 W
8,900.00	41.80	359.63	8,853.92	-104.18	-198.95	477,824.63	721,028.91	32° 18' 44.1808 N	103° 45' 6.0683 W
8,950.00	46.80	359.63	8,889.70	-69.28	-199.17	477,859.54	721,028.68	32° 18' 44.5262 N	103° 45' 6.0687 W
9,000.00	51.80	359.63	8,922.29	-31.38	-199.42	477,897.43	721,028.44	32° 18' 44.9012 N	103° 45' 6.0692 W
9,050.00	56.80	359.63	8,951.46	9.21	-199.68	477,938.02	721,028.17	32° 18' 45.3029 N	103° 45' 6.0697 W
9,100.00	61.80	359.63	8,976.98	52.18	-199.96	477,980.99	721,027.89	32° 18' 45.7282 N	103° 45' 6.0702 W
9,150.00	66.80	359.63	8,998.66	97.22	-200.26	478,026.03	721,027.60	32° 18' 46.1738 N	103° 45' 6.0708 W
9,200.00	71.80	359.63	9,016.33	143.98	-200.56	478,072.79	721,027.30	32° 18' 46.6365 N	103° 45' 6.0714 W

LEAM Drilling Services

Planning Report - Geographic

Database:	EDM 5000.1 Multi User Db	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Company:	Devon Energy	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site:	Belloq 11-2 Fed State Com	North Reference:	Grid
Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,250.00	76.80	359.63	9,029.86	192.10	-200.87	478,120.91	721,026.98	32° 18' 47.1127 N	103° 45' 6.0720 W
9,300.00	81.80	359.63	9,039.14	241.21	-201.19	478,170.02	721,026.66	32° 18' 47.5987 N	103° 45' 6.0726 W
9,350.00	86.80	359.63	9,044.10	290.95	-201.52	478,219.76	721,026.34	32° 18' 48.0909 N	103° 45' 6.0732 W
9,381.11	89.91	359.63	9,045.00	322.03	-201.72	478,250.84	721,026.14	32° 18' 48.3985 N	103° 45' 6.0736 W
9,400.00	89.91	359.63	9,045.03	340.93	-201.84	478,269.74	721,026.01	32° 18' 48.5855 N	103° 45' 6.0738 W
9,500.00	89.91	359.63	9,045.19	440.93	-202.49	478,369.74	721,025.36	32° 18' 49.5750 N	103° 45' 6.0751 W
9,600.00	89.91	359.63	9,045.35	540.92	-203.14	478,469.73	721,024.71	32° 18' 50.5646 N	103° 45' 6.0763 W
9,700.00	89.91	359.63	9,045.50	640.92	-203.79	478,569.73	721,024.06	32° 18' 51.5542 N	103° 45' 6.0776 W
9,800.00	89.91	359.63	9,045.66	740.92	-204.44	478,669.73	721,023.41	32° 18' 52.5437 N	103° 45' 6.0788 W
9,900.00	89.91	359.63	9,045.82	840.92	-205.09	478,769.73	721,022.76	32° 18' 53.5333 N	103° 45' 6.0801 W
10,000.00	89.91	359.63	9,045.98	940.91	-205.74	478,869.72	721,022.11	32° 18' 54.5228 N	103° 45' 6.0813 W
10,100.00	89.91	359.63	9,046.14	1,040.91	-206.39	478,969.72	721,021.46	32° 18' 55.5124 N	103° 45' 6.0826 W
10,200.00	89.91	359.63	9,046.30	1,140.91	-207.04	479,069.72	721,020.81	32° 18' 56.5019 N	103° 45' 6.0839 W
10,300.00	89.91	359.63	9,046.46	1,240.91	-207.69	479,169.72	721,020.16	32° 18' 57.4915 N	103° 45' 6.0851 W
10,400.00	89.91	359.63	9,046.62	1,340.91	-208.34	479,269.72	721,019.51	32° 18' 58.4810 N	103° 45' 6.0864 W
10,500.00	89.91	359.63	9,046.78	1,440.90	-208.99	479,369.71	721,018.86	32° 18' 59.4706 N	103° 45' 6.0876 W
10,600.00	89.91	359.63	9,046.94	1,540.90	-209.64	479,469.71	721,018.21	32° 19' 0.4601 N	103° 45' 6.0889 W
10,700.00	89.91	359.63	9,047.10	1,640.90	-210.29	479,569.71	721,017.56	32° 19' 1.4497 N	103° 45' 6.0901 W
10,800.00	89.91	359.63	9,047.26	1,740.90	-210.94	479,669.71	721,016.91	32° 19' 2.4392 N	103° 45' 6.0914 W
10,900.00	89.91	359.63	9,047.41	1,840.89	-211.59	479,769.70	721,016.26	32° 19' 3.4288 N	103° 45' 6.0926 W
11,000.00	89.91	359.63	9,047.57	1,940.89	-212.24	479,869.70	721,015.61	32° 19' 4.4184 N	103° 45' 6.0939 W
11,100.00	89.91	359.63	9,047.73	2,040.89	-212.89	479,969.70	721,014.96	32° 19' 5.4079 N	103° 45' 6.0951 W
11,200.00	89.91	359.63	9,047.89	2,140.89	-213.54	480,069.70	721,014.31	32° 19' 6.3975 N	103° 45' 6.0964 W
11,300.00	89.91	359.63	9,048.05	2,240.89	-214.19	480,169.70	721,013.66	32° 19' 7.3870 N	103° 45' 6.0976 W
11,400.00	89.91	359.63	9,048.21	2,340.88	-214.84	480,269.69	721,013.01	32° 19' 8.3766 N	103° 45' 6.0989 W
11,500.00	89.91	359.63	9,048.37	2,440.88	-215.49	480,369.69	721,012.36	32° 19' 9.3661 N	103° 45' 6.1001 W
11,600.00	89.91	359.63	9,048.53	2,540.88	-216.14	480,469.69	721,011.71	32° 19' 10.3557 N	103° 45' 6.1014 W
11,700.00	89.91	359.63	9,048.69	2,640.88	-216.79	480,569.69	721,011.06	32° 19' 11.3452 N	103° 45' 6.1026 W
11,800.00	89.91	359.63	9,048.85	2,740.87	-217.44	480,669.68	721,010.41	32° 19' 12.3348 N	103° 45' 6.1039 W
11,900.00	89.91	359.63	9,049.01	2,840.87	-218.09	480,769.68	721,009.76	32° 19' 13.3243 N	103° 45' 6.1051 W
12,000.00	89.91	359.63	9,049.16	2,940.87	-218.74	480,869.68	721,009.11	32° 19' 14.3139 N	103° 45' 6.1064 W
12,100.00	89.91	359.63	9,049.32	3,040.87	-219.39	480,969.68	721,008.46	32° 19' 15.3034 N	103° 45' 6.1076 W
12,200.00	89.91	359.63	9,049.48	3,140.87	-220.04	481,069.68	721,007.81	32° 19' 16.2930 N	103° 45' 6.1089 W
12,300.00	89.91	359.63	9,049.64	3,240.86	-220.69	481,169.67	721,007.16	32° 19' 17.2825 N	103° 45' 6.1101 W
12,400.00	89.91	359.63	9,049.80	3,340.86	-221.34	481,269.67	721,006.51	32° 19' 18.2721 N	103° 45' 6.1114 W
12,500.00	89.91	359.63	9,049.96	3,440.86	-221.99	481,369.67	721,005.86	32° 19' 19.2616 N	103° 45' 6.1126 W
12,600.00	89.91	359.63	9,050.12	3,540.86	-222.64	481,469.67	721,005.21	32° 19' 20.2512 N	103° 45' 6.1139 W
12,700.00	89.91	359.63	9,050.28	3,640.85	-223.29	481,569.66	721,004.56	32° 19' 21.2408 N	103° 45' 6.1151 W
12,800.00	89.91	359.63	9,050.44	3,740.85	-223.94	481,669.66	721,003.91	32° 19' 22.2303 N	103° 45' 6.1164 W
12,900.00	89.91	359.63	9,050.60	3,840.85	-224.59	481,769.66	721,003.26	32° 19' 23.2199 N	103° 45' 6.1176 W
13,000.00	89.91	359.63	9,050.76	3,940.85	-225.24	481,869.66	721,002.61	32° 19' 24.2094 N	103° 45' 6.1189 W
13,100.00	89.91	359.63	9,050.92	4,040.84	-225.89	481,969.66	721,001.96	32° 19' 25.1990 N	103° 45' 6.1201 W
13,200.00	89.91	359.63	9,051.07	4,140.84	-226.54	482,069.65	721,001.31	32° 19' 26.1885 N	103° 45' 6.1214 W
13,300.00	89.91	359.63	9,051.23	4,240.84	-227.19	482,169.65	721,000.66	32° 19' 27.1781 N	103° 45' 6.1226 W
13,400.00	89.91	359.63	9,051.39	4,340.84	-227.84	482,269.65	721,000.01	32° 19' 28.1676 N	103° 45' 6.1239 W
13,500.00	89.91	359.63	9,051.55	4,440.84	-228.49	482,369.65	720,999.36	32° 19' 29.1572 N	103° 45' 6.1251 W
13,600.00	89.91	359.63	9,051.71	4,540.83	-229.14	482,469.64	720,998.71	32° 19' 30.1467 N	103° 45' 6.1264 W
13,700.00	89.91	359.63	9,051.87	4,640.83	-229.79	482,569.64	720,998.06	32° 19' 31.1363 N	103° 45' 6.1276 W
13,800.00	89.91	359.63	9,052.03	4,740.83	-230.44	482,669.64	720,997.41	32° 19' 32.1258 N	103° 45' 6.1289 W
13,900.00	89.91	359.63	9,052.19	4,840.83	-231.09	482,769.64	720,996.76	32° 19' 33.1154 N	103° 45' 6.1301 W
14,000.00	89.91	359.63	9,052.35	4,940.82	-231.74	482,869.64	720,996.11	32° 19' 34.1049 N	103° 45' 6.1314 W
14,100.00	89.91	359.63	9,052.51	5,040.82	-232.39	482,969.63	720,995.46	32° 19' 35.0945 N	103° 45' 6.1326 W
14,200.00	89.91	359.63	9,052.67	5,140.82	-233.04	483,069.63	720,994.81	32° 19' 36.0840 N	103° 45' 6.1338 W
14,300.00	89.91	359.63	9,052.83	5,240.82	-233.69	483,169.63	720,994.16	32° 19' 37.0736 N	103° 45' 6.1351 W
14,400.00	89.91	359.63	9,052.98	5,340.82	-234.34	483,269.63	720,993.51	32° 19' 38.0631 N	103° 45' 6.1363 W

LEAM Drilling Services

Planning Report - Geographic

Database:	EDM 5000.1 Multi User Db	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Company:	Devon Energy	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site:	Belloq 11-2 Fed State Com	North Reference:	Grid
Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,500.00	89.91	359.63	9,053.14	5,440.81	-234.99	483,369.62	720,992.86	32° 19' 39.0527 N	103° 45' 6.1376 W
14,600.00	89.91	359.63	9,053.30	5,540.81	-235.64	483,469.62	720,992.21	32° 19' 40.0422 N	103° 45' 6.1388 W
14,700.00	89.91	359.63	9,053.46	5,640.81	-236.29	483,569.62	720,991.56	32° 19' 41.0318 N	103° 45' 6.1401 W
14,800.00	89.91	359.63	9,053.62	5,740.81	-236.94	483,669.62	720,990.91	32° 19' 42.0213 N	103° 45' 6.1413 W
14,900.00	89.91	359.63	9,053.78	5,840.80	-237.59	483,769.62	720,990.26	32° 19' 43.0109 N	103° 45' 6.1426 W
15,000.00	89.91	359.63	9,053.94	5,940.80	-238.24	483,869.61	720,989.61	32° 19' 44.0005 N	103° 45' 6.1438 W
15,100.00	89.91	359.63	9,054.10	6,040.80	-238.89	483,969.61	720,988.96	32° 19' 44.9900 N	103° 45' 6.1451 W
15,200.00	89.91	359.63	9,054.26	6,140.80	-239.54	484,069.61	720,988.31	32° 19' 45.9796 N	103° 45' 6.1463 W
15,300.00	89.91	359.63	9,054.42	6,240.80	-240.19	484,169.61	720,987.66	32° 19' 46.9691 N	103° 45' 6.1476 W
15,400.00	89.91	359.63	9,054.58	6,340.79	-240.84	484,269.60	720,987.01	32° 19' 47.9587 N	103° 45' 6.1488 W
15,500.00	89.91	359.63	9,054.73	6,440.79	-241.49	484,369.60	720,986.36	32° 19' 48.9482 N	103° 45' 6.1501 W
15,600.00	89.91	359.63	9,054.89	6,540.79	-242.14	484,469.60	720,985.71	32° 19' 49.9378 N	103° 45' 6.1513 W
15,700.00	89.91	359.63	9,055.05	6,640.79	-242.79	484,569.60	720,985.06	32° 19' 50.9273 N	103° 45' 6.1526 W
15,800.00	89.91	359.63	9,055.21	6,740.78	-243.44	484,669.60	720,984.41	32° 19' 51.9169 N	103° 45' 6.1538 W
15,900.00	89.91	359.63	9,055.37	6,840.78	-244.09	484,769.59	720,983.76	32° 19' 52.9064 N	103° 45' 6.1551 W
16,000.00	89.91	359.63	9,055.53	6,940.78	-244.74	484,869.59	720,983.11	32° 19' 53.8960 N	103° 45' 6.1563 W
16,100.00	89.91	359.63	9,055.69	7,040.78	-245.39	484,969.59	720,982.46	32° 19' 54.8855 N	103° 45' 6.1576 W
16,200.00	89.91	359.63	9,055.85	7,140.78	-246.04	485,069.59	720,981.81	32° 19' 55.8751 N	103° 45' 6.1588 W
16,300.00	89.91	359.63	9,056.01	7,240.77	-246.69	485,169.58	720,981.16	32° 19' 56.8646 N	103° 45' 6.1601 W
16,400.00	89.91	359.63	9,056.17	7,340.77	-247.34	485,269.58	720,980.51	32° 19' 57.8542 N	103° 45' 6.1613 W
16,500.00	89.91	359.63	9,056.33	7,440.77	-247.99	485,369.58	720,979.86	32° 19' 58.8437 N	103° 45' 6.1626 W
16,600.00	89.91	359.63	9,056.49	7,540.77	-248.64	485,469.58	720,979.21	32° 19' 59.8333 N	103° 45' 6.1638 W
16,700.00	89.91	359.63	9,056.64	7,640.76	-249.29	485,569.58	720,978.56	32° 20' 0.8228 N	103° 45' 6.1651 W
16,800.00	89.91	359.63	9,056.80	7,740.76	-249.94	485,669.57	720,977.91	32° 20' 1.8124 N	103° 45' 6.1663 W
16,900.00	89.91	359.63	9,056.96	7,840.76	-250.59	485,769.57	720,977.26	32° 20' 2.8019 N	103° 45' 6.1676 W
17,000.00	89.91	359.63	9,057.12	7,940.76	-251.24	485,869.57	720,976.61	32° 20' 3.7915 N	103° 45' 6.1688 W
17,100.00	89.91	359.63	9,057.28	8,040.76	-251.89	485,969.57	720,975.96	32° 20' 4.7810 N	103° 45' 6.1701 W
17,200.00	89.91	359.63	9,057.44	8,140.75	-252.54	486,069.56	720,975.31	32° 20' 5.7706 N	103° 45' 6.1713 W
17,300.00	89.91	359.63	9,057.60	8,240.75	-253.19	486,169.56	720,974.66	32° 20' 6.7601 N	103° 45' 6.1726 W
17,400.00	89.91	359.63	9,057.76	8,340.75	-253.84	486,269.56	720,974.01	32° 20' 7.7497 N	103° 45' 6.1738 W
17,500.00	89.91	359.63	9,057.92	8,440.75	-254.49	486,369.56	720,973.36	32° 20' 8.7392 N	103° 45' 6.1750 W
17,600.00	89.91	359.63	9,058.08	8,540.74	-255.14	486,469.55	720,972.71	32° 20' 9.7288 N	103° 45' 6.1763 W
17,700.00	89.91	359.63	9,058.24	8,640.74	-255.79	486,569.55	720,972.06	32° 20' 10.7183 N	103° 45' 6.1775 W
17,800.00	89.91	359.63	9,058.40	8,740.74	-256.44	486,669.55	720,971.41	32° 20' 11.7079 N	103° 45' 6.1788 W
17,900.00	89.91	359.63	9,058.55	8,840.74	-257.09	486,769.55	720,970.76	32° 20' 12.6974 N	103° 45' 6.1800 W
18,000.00	89.91	359.63	9,058.71	8,940.74	-257.74	486,869.55	720,970.11	32° 20' 13.6870 N	103° 45' 6.1813 W
18,100.00	89.91	359.63	9,058.87	9,040.73	-258.39	486,969.54	720,969.46	32° 20' 14.6765 N	103° 45' 6.1825 W
18,200.00	89.91	359.63	9,059.03	9,140.73	-259.04	487,069.54	720,968.81	32° 20' 15.6661 N	103° 45' 6.1838 W
18,300.00	89.91	359.63	9,059.19	9,240.73	-259.69	487,169.54	720,968.16	32° 20' 16.6556 N	103° 45' 6.1850 W
18,400.00	89.91	359.63	9,059.35	9,340.73	-260.34	487,269.54	720,967.51	32° 20' 17.6452 N	103° 45' 6.1863 W
18,500.00	89.91	359.63	9,059.51	9,440.72	-260.99	487,369.53	720,966.86	32° 20' 18.6347 N	103° 45' 6.1875 W
18,600.00	89.91	359.63	9,059.67	9,540.72	-261.64	487,469.53	720,966.21	32° 20' 19.6243 N	103° 45' 6.1888 W
18,700.00	89.91	359.63	9,059.83	9,640.72	-262.29	487,569.53	720,965.56	32° 20' 20.6138 N	103° 45' 6.1900 W
18,808.61	89.91	359.63	9,060.00	9,749.33	-263.00	487,678.14	720,964.86	32° 20' 21.6886 N	103° 45' 6.1914 W
PBHL (Belloq 522H) - 500' FNL, 1680' FWL S2 - LTP (Belloq 522H) - 100' FNL, 1680' FWL S11									

LEAM Drilling Services

Planning Report - Geographic

Database:	EDM 5000.1 Multi User Db	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Company:	Devon Energy	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site:	Belloq 11-2 Fed State Com	North Reference:	Grid
Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
SHL (Belloq 522H) - 300	0.00	0.00	0.00	0.00	0.00	477,928.81	721,227.86	32° 18' 45.2010 N	103° 45' 3.7435 W
- plan hits target center									
- Point									
KOP (Belloq 522H) - 50'	0.00	0.00	8,472.04	-250.00	-198.00	477,678.81	721,029.86	32° 18' 42.7378 N	103° 45' 6.0664 W
- plan hits target center									
- Point									
FTP (Belloq 522H) - 100	0.00	0.00	8,706.13	-200.00	-198.33	477,728.81	721,029.53	32° 18' 43.2326 N	103° 45' 6.0671 W
- plan misses target center by 0.01usft at 8723.16usft MD (8706.13 TVD, -200.00 N, -198.33 E)									
- Point									
PBHL (Belloq 522H) - 5C	0.00	0.00	9,060.00	9,749.33	-263.00	487,678.14	720,964.86	32° 20' 21.6886 N	103° 45' 6.1914 W
- plan hits target center									
- Point									

Devon Energy

Eddy County, NM (NAD-83)

Belloq 11-2 Fed State Com

Belloq 11-2 Fed State Com 522H

OH

Plan #2

Anticollision Report

23 January, 2019

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.00usft
Depth Range:	Unlimited
Results Limited by:	Maximum center-center distance of 2,000.00 usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Elliptical Conic
Casing Method:	Not applied

Survey Tool Program	Date	1/23/2019
From (usft)	To (usft)	Survey (Wellbore)
0.00	18,808.61	Plan #2 (OH)
		Tool Name
		LEAM MWD+HDGM
		Description
		MWD+HDGM

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Belloq 11-2 Fed State Com						
Barclay 11H Federal 1 (Offset) - OH - OH						Out of range
Barclay 11M Federal 13 (Offset) - OH - OH	9,400.00	8,800.00	1,062.45	861.85	5.296	CC, ES, SF
Barclay State 1 (Offset) - OH - OH						Out of range
Belloq 11 Fed 222H (Offset) - OH - Plan #1	9,038.61	9,014.76	492.66	453.89	12.709	CC, ES
Belloq 11 Fed 222H (Offset) - OH - Plan #1	14,100.00	15,219.52	1,048.68	957.78	11.536	SF
Belloq 11-2 Fed State Com 223H (Offset) - OH - Plan #1	8,884.08	9,100.00	1,868.09	1,827.10	45.581	CC, ES
Belloq 11-2 Fed State Com 223H (Offset) - OH - Plan #1	9,400.00	9,242.32	1,946.42	1,902.57	44.385	SF
Belloq 11-2 Fed State Com 231H (Offset) - OH - Plan #1	8,979.50	8,926.43	1,344.66	1,306.51	35.244	CC, ES
Belloq 11-2 Fed State Com 231H (Offset) - OH - Plan #1	18,808.61	19,934.46	1,811.88	1,562.07	7.253	SF
Belloq 11-2 Fed State Com 234H (Offset) - OH - Plan #1						Out of range
Belloq 11-2 Fed State Com 511H - OH - Plan #1	8,300.96	8,283.25	640.78	604.68	17.754	CC
Belloq 11-2 Fed State Com 511H - OH - Plan #1	18,808.61	18,634.91	667.18	353.97	2.130	ES, SF
Belloq 11-2 Fed State Com 512H - OH - Plan #1	2,416.36	2,417.26	29.95	19.36	2.829	CC
Belloq 11-2 Fed State Com 512H - OH - Plan #1	2,500.00	2,500.90	29.95	18.99	2.732	ES
Belloq 11-2 Fed State Com 512H - OH - Plan #1	18,808.61	18,663.77	657.82	344.61	2.100	SF
Belloq 11-2 Fed State Com 513H - OH - Plan #2	2,407.70	2,428.90	1,287.93	1,277.34	121.578	CC
Belloq 11-2 Fed State Com 513H - OH - Plan #2	2,500.00	2,518.32	1,287.95	1,276.96	117.112	ES
Belloq 11-2 Fed State Com 513H - OH - Plan #2	18,808.61	18,578.31	1,933.32	1,613.37	6.042	SF
Belloq 11-2 Fed State Com 514H - OH - Plan #2						Out of range
Belloq 11-2 Fed State Com 521H - OH - Plan #2	2,000.00	1,974.40	1,219.77	1,211.12	140.924	CC
Belloq 11-2 Fed State Com 521H - OH - Plan #2	18,808.61	18,785.00	1,279.87	955.87	3.950	ES, SF
Belloq 11-2 Fed State Com 523H - OH - Plan #1	2,545.09	2,572.50	1,258.28	1,247.09	112.425	CC
Belloq 11-2 Fed State Com 523H - OH - Plan #1	18,808.61	18,850.75	1,293.52	971.57	4.018	ES, SF
Belloq 11-2 Fed State Com 524H - OH - Plan #2						Out of range
Belloq 2 State						
2H - OH - OH	18,808.61	9,036.40	312.32	249.40	4.964	CC, ES, SF
5H - OH - OH	18,808.61	9,042.55	86.15	31.74	1.583	CC, ES, SF
6H - OH - OH	18,808.61	9,045.33	443.34	347.88	4.644	CC, ES, SF

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User-Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Belloq 11-2 Fed State Com - Barclay 11M Federal 13 (Offset) - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 250-INC-ONLY														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)							
0.00	0.00	33.00	33.00	0.00	0.32	-75.14	325.53	-1,226.75	1,269.21						
100.00	100.00	133.00	133.00	0.09	1.27	-75.14	325.53	-1,226.75	1,269.21	1,267.85	1.36	933.366			
200.00	200.00	233.00	233.00	0.31	2.23	-75.14	325.53	-1,226.75	1,269.21	1,266.67	2.54	499.224			
300.00	300.00	333.01	333.00	0.54	4.16	-75.14	325.53	-1,226.75	1,269.21	1,264.51	4.70	270.233			
400.00	400.00	433.01	433.00	0.76	6.29	-75.14	325.53	-1,226.75	1,269.21	1,262.16	7.05	180.035			
500.00	500.00	533.01	533.00	0.99	8.42	-75.14	325.53	-1,226.75	1,269.21	1,259.80	9.40	134.981			
600.00	600.00	633.01	633.00	1.21	10.55	-75.14	325.53	-1,226.75	1,269.21	1,257.45	11.76	107.963			
700.00	700.00	733.01	733.00	1.43	12.67	-75.14	325.53	-1,226.75	1,269.21	1,255.10	14.11	89.957			
800.00	800.00	833.01	833.00	1.66	14.80	-75.14	325.53	-1,226.75	1,269.21	1,252.75	16.46	77.099			
900.00	900.00	933.01	933.00	1.88	16.93	-75.14	325.53	-1,226.75	1,269.21	1,250.39	18.82	67.456			
1,000.00	1,000.00	1,033.12	1,033.00	2.11	19.06	-75.14	325.53	-1,226.75	1,269.21	1,248.04	21.17	59.951			
1,100.00	1,100.00	1,133.12	1,133.00	2.33	21.19	-75.14	325.53	-1,226.75	1,269.21	1,245.68	23.52	53.954			
1,200.00	1,200.00	1,233.12	1,233.00	2.56	23.32	-75.14	325.53	-1,226.75	1,269.21	1,243.33	25.88	49.048			
1,300.00	1,300.00	1,333.12	1,333.00	2.78	25.45	-75.14	325.53	-1,226.75	1,269.21	1,240.98	28.23	44.960			
1,400.00	1,400.00	1,433.12	1,433.00	3.01	27.58	-75.14	325.53	-1,226.75	1,269.21	1,238.62	30.58	41.500			
1,500.00	1,500.00	1,533.19	1,533.00	3.23	29.70	-75.14	325.53	-1,226.75	1,269.21	1,236.27	32.94	38.534			
1,600.00	1,600.00	1,633.19	1,633.00	3.46	31.83	-75.14	325.53	-1,226.75	1,269.21	1,233.92	35.29	35.964			
1,700.00	1,700.00	1,733.19	1,733.00	3.68	33.96	-75.14	325.53	-1,226.75	1,269.21	1,231.56	37.64	33.716			
1,800.00	1,800.00	1,833.19	1,833.00	3.91	36.09	-75.14	325.53	-1,226.75	1,269.21	1,229.21	40.00	31.733			
1,900.00	1,900.00	1,933.19	1,933.00	4.13	38.22	-75.14	325.53	-1,226.75	1,269.21	1,226.86	42.35	29.970			
2,000.00	2,000.00	2,033.27	2,033.00	4.36	40.35	-75.14	325.53	-1,226.75	1,269.21	1,224.50	44.70	28.391			
2,100.00	2,100.00	2,133.27	2,133.00	4.58	42.48	-75.14	325.53	-1,226.75	1,269.21	1,222.15	47.06	26.971			
2,200.00	2,200.00	2,233.27	2,233.00	4.81	44.60	-75.14	325.53	-1,226.75	1,269.21	1,219.80	49.41	25.687			
2,300.00	2,300.00	2,333.27	2,333.00	5.03	46.73	-75.14	325.53	-1,226.75	1,269.21	1,217.44	51.76	24.519			
2,400.00	2,400.00	2,433.27	2,433.00	5.26	48.86	-75.14	325.53	-1,226.75	1,269.21	1,215.09	54.12	23.453			
2,500.00	2,500.00	2,533.35	2,533.00	5.48	50.99	-75.14	325.53	-1,226.75	1,269.21	1,212.74	56.47	22.475			
2,600.00	2,599.99	2,633.34	2,632.99	5.68	53.12	66.52	325.53	-1,226.75	1,268.86	1,210.06	58.80	21.580			
2,700.00	2,699.96	2,733.31	2,732.96	5.86	55.25	66.64	325.53	-1,226.75	1,267.82	1,206.72	61.10	20.750			
2,800.00	2,799.86	2,833.26	2,832.86	6.04	57.37	66.84	325.53	-1,226.75	1,266.09	1,202.69	63.41	19.968			
2,900.00	2,899.68	2,933.08	2,932.68	6.22	59.50	67.10	325.53	-1,226.75	1,263.74	1,198.02	65.71	19.231			
3,000.00	2,999.48	3,031.00	3,030.56	6.41	61.58	67.36	325.53	-1,226.75	1,261.26	1,193.27	67.99	18.552			
3,100.00	3,099.27	3,132.71	3,132.27	6.60	63.75	67.64	325.53	-1,226.75	1,258.80	1,188.46	70.34	17.896			
3,200.00	3,199.06	3,232.50	3,232.06	6.80	65.87	67.91	325.53	-1,226.75	1,256.37	1,183.71	72.66	17.291			
3,300.00	3,298.86	3,332.30	3,331.86	7.00	68.00	68.18	325.53	-1,226.75	1,253.97	1,178.99	74.98	16.724			
3,400.00	3,398.65	3,432.14	3,431.65	7.20	70.12	68.45	325.53	-1,226.75	1,251.60	1,174.29	77.31	16.190			
3,500.00	3,498.45	3,531.94	3,531.45	7.40	72.24	68.72	325.53	-1,226.75	1,249.25	1,169.62	79.64	15.687			
3,600.00	3,598.24	3,631.73	3,631.24	7.61	74.37	69.00	325.53	-1,226.75	1,246.94	1,164.97	81.97	15.213			
3,700.00	3,698.04	3,731.57	3,731.04	7.82	76.74	69.27	325.53	-1,226.75	1,244.65	1,160.10	84.55	14.722			
3,800.00	3,797.83	3,831.36	3,830.83	8.04	79.22	69.55	325.53	-1,226.75	1,242.39	1,155.15	87.24	14.241			
3,900.00	3,897.63	3,931.16	3,930.63	8.25	81.70	69.82	325.53	-1,226.75	1,240.16	1,150.23	89.93	13.790			
4,000.00	3,997.42	4,030.95	4,030.42	8.47	84.18	70.10	325.53	-1,226.75	1,237.96	1,145.34	92.63	13.365			
4,100.00	4,097.21	4,130.75	4,130.21	8.69	86.66	70.38	325.53	-1,226.75	1,235.79	1,140.47	95.33	12.964			
4,200.00	4,197.01	4,230.54	4,230.01	8.91	89.14	70.66	325.53	-1,226.75	1,233.65	1,135.63	98.02	12.585			
4,300.00	4,296.80	4,330.56	4,329.80	9.13	91.63	70.94	325.53	-1,226.75	1,231.54	1,130.81	100.74	12.225			
4,400.00	4,396.60	4,430.35	4,429.60	9.35	94.12	71.22	325.53	-1,226.75	1,229.46	1,126.01	103.45	11.885			
4,500.00	4,496.39	4,530.21	4,529.39	9.58	96.42	71.51	325.53	-1,226.75	1,227.41	1,121.44	105.97	11.582			
4,600.00	4,596.19	4,630.01	4,629.19	9.80	98.54	71.79	325.53	-1,226.75	1,225.39	1,117.07	108.32	11.313			
4,700.00	4,695.98	4,729.80	4,728.98	10.03	100.66	72.07	325.53	-1,226.75	1,223.40	1,112.73	110.67	11.055			
4,800.00	4,795.78	4,829.60	4,828.78	10.26	102.79	72.36	325.53	-1,226.75	1,221.43	1,108.42	113.02	10.807			
4,900.00	4,895.57	4,929.00	4,928.11	10.49	104.75	72.63	325.53	-1,226.75	1,219.53	1,104.32	115.21	10.585			
5,000.00	4,995.36	5,029.25	5,028.36	10.72	107.03	72.93	325.53	-1,226.75	1,217.60	1,099.88	117.72	10.343			
5,100.00	5,095.16	5,129.05	5,128.16	10.95	109.16	73.22	325.53	-1,226.75	1,215.74	1,095.66	120.08	10.125			

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Belloq 11-2 Fed State Com - Barclay 11M Federal 13 (Offset) - OH - OH													Offset Well Error:	0.00 usft
Survey Program: 250-INC-ONLY														
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,200.00	5,194.95	5,228.84	5,227.95	11.18	111.28	73.51	325.53	-1,226.75	1,213.90	1,091.47	122.43	9.915		
5,300.00	5,294.75	5,328.64	5,327.75	11.41	113.40	73.80	325.53	-1,226.75	1,212.09	1,087.31	124.78	9.713		
5,400.00	5,394.54	5,428.43	5,427.54	11.65	115.52	74.09	325.53	-1,226.75	1,210.32	1,083.18	127.14	9.520		
5,500.00	5,494.34	5,528.31	5,527.34	11.88	117.65	74.38	325.53	-1,226.75	1,208.57	1,079.07	129.50	9.333		
5,600.00	5,594.13	5,628.11	5,627.13	12.11	119.77	74.68	325.53	-1,226.75	1,206.86	1,075.00	131.86	9.153		
5,700.00	5,693.93	5,727.90	5,726.93	12.35	121.89	74.97	325.53	-1,226.75	1,205.18	1,070.96	134.21	8.980		
5,800.00	5,793.72	5,827.69	5,826.72	12.58	124.02	75.26	325.53	-1,226.75	1,203.53	1,066.96	136.57	8.812		
5,900.00	5,893.51	5,927.49	5,926.51	12.82	126.14	75.56	325.53	-1,226.75	1,201.91	1,062.98	138.93	8.651		
6,000.00	5,993.31	6,027.36	6,026.31	13.06	128.26	75.85	325.53	-1,226.75	1,200.33	1,059.03	141.29	8.495		
6,100.00	6,093.10	6,127.15	6,126.10	13.30	130.39	76.15	325.53	-1,226.75	1,198.77	1,055.12	143.65	8.345		
6,200.00	6,192.90	6,226.95	6,225.90	13.53	132.51	76.45	325.53	-1,226.75	1,197.25	1,051.24	146.01	8.200		
6,300.00	6,292.69	6,326.74	6,325.69	13.77	134.63	76.75	325.53	-1,226.75	1,195.76	1,047.39	148.38	8.059		
6,400.00	6,392.49	6,426.60	6,425.49	14.01	136.76	77.04	325.53	-1,226.75	1,194.31	1,043.57	150.74	7.923		
6,500.00	6,492.28	6,526.39	6,525.28	14.25	138.88	77.34	325.53	-1,226.75	1,192.88	1,039.78	153.10	7.791		
6,600.00	6,592.08	6,626.19	6,625.08	14.49	141.00	77.64	325.53	-1,226.75	1,191.49	1,036.03	155.46	7.664		
6,700.00	6,691.87	6,725.98	6,724.87	14.73	143.12	77.94	325.53	-1,226.75	1,190.14	1,032.31	157.83	7.541		
6,800.00	6,791.66	6,825.78	6,824.66	14.97	145.25	78.25	325.53	-1,226.75	1,188.81	1,028.62	160.19	7.421		
6,900.00	6,891.46	6,925.64	6,924.46	15.21	147.37	78.55	325.53	-1,226.75	1,187.52	1,024.96	162.56	7.305		
7,000.00	6,991.25	7,025.44	7,024.25	15.45	149.50	78.85	325.53	-1,226.75	1,186.26	1,021.34	164.92	7.193		
7,100.00	7,091.05	7,125.23	7,124.05	15.69	151.62	79.15	325.53	-1,226.75	1,185.04	1,017.75	167.29	7.084		
7,200.00	7,190.84	7,225.03	7,223.84	15.93	153.74	79.46	325.53	-1,226.75	1,183.84	1,014.19	169.65	6.978		
7,300.00	7,290.64	7,324.82	7,323.64	16.17	155.87	79.76	325.53	-1,226.75	1,182.69	1,010.67	172.02	6.875		
7,400.00	7,390.43	7,424.69	7,423.43	16.42	157.99	80.07	325.53	-1,226.75	1,181.56	1,007.18	174.39	6.776		
7,500.00	7,490.23	7,524.49	7,523.23	16.65	160.11	80.37	325.53	-1,226.75	1,180.48	1,003.73	176.75	6.679		
7,600.00	7,590.10	7,624.36	7,623.10	16.88	162.24	80.61	325.53	-1,226.75	1,179.63	1,000.56	179.07	6.587		
7,700.00	7,690.04	7,724.35	7,723.04	17.05	164.37	80.76	325.53	-1,226.75	1,179.09	997.69	181.40	6.500		
7,800.00	7,790.02	7,824.33	7,823.02	17.24	166.49	80.84	325.53	-1,226.75	1,178.82	995.11	183.71	6.417		
7,899.50	7,889.52	7,923.87	7,922.52	17.43	168.61	-60.76	325.53	-1,226.75	1,178.78	992.74	186.03	6.337		
7,900.00	7,890.02	7,924.37	7,923.02	17.43	168.62	-60.78	325.53	-1,226.75	1,178.80	992.76	186.04	6.336		
8,000.00	7,990.02	8,024.37	8,023.02	17.63	170.75	-60.78	325.53	-1,226.75	1,178.80	990.44	188.36	6.258		
8,100.00	8,090.02	8,124.37	8,123.02	17.82	172.88	-60.78	325.53	-1,226.75	1,178.80	988.12	190.68	6.182		
8,200.00	8,190.02	8,224.37	8,223.02	18.01	175.00	-60.78	325.53	-1,226.75	1,178.80	985.80	193.00	6.108		
8,300.00	8,290.02	8,324.37	8,323.02	18.21	177.13	-60.78	325.53	-1,226.75	1,178.80	983.48	195.32	6.035		
8,400.00	8,390.02	8,424.37	8,423.02	18.40	179.26	-60.78	325.53	-1,226.75	1,178.80	981.15	197.64	5.964		
8,500.00	8,490.02	8,524.36	8,523.02	18.60	181.39	-60.43	325.53	-1,226.75	1,178.66	978.69	199.97	5.894		
8,600.00	8,589.19	8,623.53	8,622.19	18.76	183.50	-61.43	325.53	-1,226.75	1,172.87	970.63	202.24	5.799		
8,700.00	8,684.80	8,719.15	8,717.80	18.89	185.53	-63.88	325.53	-1,226.75	1,159.11	954.72	204.39	5.671		
8,800.00	8,773.95	8,800.00	8,798.52	18.99	187.25	-67.42	325.53	-1,226.75	1,138.81	932.64	206.18	5.523		
8,900.00	8,853.92	8,800.00	8,798.52	19.06	187.25	-69.45	325.53	-1,226.75	1,117.52	911.90	205.62	5.435		
9,000.00	8,922.29	8,800.00	8,798.52	19.12	187.25	-71.24	325.53	-1,226.75	1,098.80	894.51	204.29	5.379		
9,100.00	8,976.98	8,800.00	8,798.52	19.20	187.25	-72.73	325.53	-1,226.75	1,083.39	880.74	202.64	5.346		
9,200.00	9,016.33	8,800.00	8,798.52	19.44	187.25	-73.84	325.53	-1,226.75	1,071.88	870.68	201.20	5.327		
9,300.00	9,039.14	8,800.00	8,798.52	19.83	187.25	-74.52	325.53	-1,226.75	1,064.77	864.35	200.42	5.313		
9,388.59	9,046.25	8,800.00	8,798.52	20.27	187.25	-74.68	325.53	-1,226.75	1,062.74	862.25	200.49	5.301		
9,400.00	9,045.03	8,800.00	8,798.52	20.33	187.25	-74.75	325.53	-1,226.75	1,062.45	861.85	200.60	5.296 CC, ES, SF		
9,500.00	9,045.19	8,800.00	8,798.52	20.93	187.25	-74.75	325.53	-1,226.75	1,068.01	866.71	201.29	5.306		
9,600.00	9,045.35	8,800.00	8,798.52	21.64	187.25	-74.75	325.53	-1,226.75	1,082.81	880.63	202.18	5.356		
9,700.00	9,045.50	8,800.00	8,798.52	22.45	187.25	-74.75	325.53	-1,226.75	1,106.48	903.29	203.19	5.445		
9,800.00	9,045.66	8,800.00	8,798.52	23.34	187.25	-74.75	325.53	-1,226.75	1,138.48	934.21	204.27	5.573		
9,900.00	9,045.82	8,800.00	8,798.52	24.31	187.25	-74.75	325.53	-1,226.75	1,178.12	972.77	205.36	5.737		
10,000.00	9,045.98	8,800.00	8,798.52	25.34	187.25	-74.75	325.53	-1,226.75	1,224.67	1,018.27	206.40	5.933		
10,100.00	9,046.14	8,800.00	8,798.52	26.44	187.25	-74.75	325.53	-1,226.75	1,277.36	1,069.98	207.38	6.159		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 250-INC-ONLY													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	9,046.30	8,800.00	8,798.52	27.59	187.25	-74.75	325.53	-1,226.75	1,335.47	1,127.19	208.28	6.412		
10,300.00	9,046.46	8,800.00	8,798.52	28.79	187.25	-74.75	325.53	-1,226.75	1,398.33	1,189.24	209.08	6.688		
10,400.00	9,046.62	8,800.00	8,798.52	30.03	187.25	-74.75	325.53	-1,226.75	1,465.32	1,255.51	209.80	6.984		
10,500.00	9,046.78	8,800.00	8,798.52	31.30	187.25	-74.75	325.53	-1,226.75	1,535.90	1,325.46	210.44	7.299		
10,600.00	9,046.94	8,800.00	8,798.52	32.61	187.25	-74.75	325.53	-1,226.75	1,609.60	1,398.61	210.99	7.629		
10,700.00	9,047.10	8,800.00	8,798.52	33.95	187.25	-74.75	325.53	-1,226.75	1,686.02	1,474.53	211.48	7.972		
10,800.00	9,047.26	8,800.00	8,798.52	35.31	187.25	-74.75	325.53	-1,226.75	1,764.79	1,552.88	211.91	8.328		
10,900.00	9,047.41	8,800.00	8,798.52	36.69	187.25	-74.75	325.53	-1,226.75	1,845.62	1,633.33	212.29	8.694		
11,000.00	9,047.57	8,800.00	8,798.52	38.10	187.25	-74.75	325.53	-1,226.75	1,928.25	1,715.63	212.62	9.069		

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Minimum Separation (usft)	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.00	0.00	12.90	12.90	0.00	0.01	-90.14	-3.46	-1,369.72	1,369.72					
100.00	100.00	112.90	112.90	0.09	0.11	-90.14	-3.46	-1,369.72	1,369.72	1,369.53	0.19	7,135.824		
200.00	200.00	212.90	212.90	0.31	0.33	-90.14	-3.46	-1,369.72	1,369.72	1,369.08	0.64	2,135.248		
300.00	300.00	312.90	312.90	0.54	0.56	-90.14	-3.46	-1,369.72	1,369.72	1,368.63	1.09	1,255.459		
400.00	400.00	412.90	412.90	0.76	0.78	-90.14	-3.46	-1,369.72	1,369.72	1,368.18	1.54	889.116		
500.00	500.00	512.90	512.90	0.99	1.01	-90.14	-3.46	-1,369.72	1,369.72	1,367.73	1.99	688.276		
600.00	600.00	612.90	612.90	1.21	1.23	-90.14	-3.46	-1,369.72	1,369.72	1,367.28	2.44	561.452		
700.00	700.00	712.90	712.90	1.43	1.45	-90.14	-3.46	-1,369.72	1,369.72	1,366.84	2.89	474.094		
800.00	800.00	812.90	812.90	1.66	1.68	-90.14	-3.46	-1,369.72	1,369.72	1,366.39	3.34	410.260		
900.00	900.00	912.90	912.90	1.88	1.90	-90.14	-3.46	-1,369.72	1,369.72	1,365.94	3.79	361.576		
1,000.00	1,000.00	1,012.90	1,012.90	2.11	2.13	-90.14	-3.46	-1,369.72	1,369.72	1,365.49	4.24	323.221		
1,100.00	1,100.00	1,112.90	1,112.90	2.33	2.35	-90.14	-3.46	-1,369.72	1,369.72	1,365.04	4.69	292.222		
1,200.00	1,200.00	1,212.90	1,212.90	2.56	2.58	-90.14	-3.46	-1,369.72	1,369.72	1,364.59	5.14	266.649		
1,300.00	1,300.00	1,312.90	1,312.90	2.78	2.80	-90.14	-3.46	-1,369.72	1,369.72	1,364.14	5.59	245.192		
1,400.00	1,400.00	1,412.90	1,412.90	3.01	3.03	-90.14	-3.46	-1,369.72	1,369.72	1,363.69	6.04	226.931		
1,500.00	1,500.00	1,512.90	1,512.90	3.23	3.25	-90.14	-3.46	-1,369.72	1,369.72	1,363.24	6.49	211.201		
1,600.00	1,600.00	1,612.90	1,612.90	3.46	3.48	-90.14	-3.46	-1,369.72	1,369.72	1,362.79	6.93	197.511		
1,700.00	1,700.00	1,712.90	1,712.90	3.68	3.70	-90.14	-3.46	-1,369.72	1,369.72	1,362.34	7.38	185.487		
1,800.00	1,800.00	1,812.90	1,812.90	3.91	3.93	-90.14	-3.46	-1,369.72	1,369.72	1,361.89	7.83	174.844		
1,900.00	1,900.00	1,912.90	1,912.90	4.13	4.15	-90.14	-3.46	-1,369.72	1,369.72	1,361.44	8.28	165.355		
2,000.00	2,000.00	2,024.72	2,024.72	4.36	4.40	-90.14	-3.46	-1,369.61	1,369.67	1,360.91	8.76	156.428		
2,100.00	2,100.00	2,215.92	2,215.72	4.58	4.79	-90.15	-3.46	-1,361.59	1,365.47	1,356.12	9.35	146.031		
2,200.00	2,200.00	2,405.23	2,403.88	4.81	5.20	-90.15	-3.46	-1,341.11	1,354.64	1,344.74	9.90	136.774		
2,300.00	2,300.00	2,548.53	2,545.26	5.03	5.54	-90.15	-3.46	-1,317.77	1,338.10	1,327.72	10.38	128.878		
2,400.00	2,400.00	2,647.01	2,642.24	5.26	5.80	-90.15	-3.46	-1,300.67	1,320.74	1,309.93	10.81	122.166		
2,500.00	2,500.00	2,745.49	2,739.23	5.48	6.06	-90.15	-3.46	-1,283.57	1,303.37	1,292.13	11.24	115.922		
2,600.00	2,599.99	2,843.87	2,836.12	5.68	6.33	51.64	-3.46	-1,266.48	1,285.47	1,273.82	11.65	110.299		
2,700.00	2,699.96	2,942.04	2,932.79	5.86	6.61	51.88	-3.46	-1,249.44	1,266.51	1,254.47	12.04	105.151		
2,800.00	2,799.86	3,039.95	3,029.22	6.04	6.90	52.20	-3.46	-1,232.44	1,246.50	1,234.06	12.44	100.203		
2,900.00	2,899.68	3,137.61	3,125.39	6.22	7.19	52.54	-3.46	-1,215.48	1,225.51	1,212.67	12.84	95.445		
3,000.00	2,999.48	3,235.19	3,221.49	6.41	7.48	52.79	-3.46	-1,198.53	1,204.30	1,191.06	13.24	90.934		
3,100.00	3,099.27	3,332.78	3,317.59	6.60	7.78	53.05	-3.46	-1,181.59	1,183.12	1,169.47	13.65	86.656		
3,200.00	3,199.06	3,430.37	3,413.70	6.80	8.09	53.32	-3.46	-1,164.64	1,161.96	1,147.90	14.07	82.599		
3,300.00	3,298.86	3,527.96	3,509.80	7.00	8.40	53.60	-3.46	-1,147.69	1,140.83	1,126.34	14.49	78.749		
3,400.00	3,398.65	3,625.54	3,605.91	7.20	8.71	53.89	-3.46	-1,130.75	1,119.72	1,104.81	14.91	75.096		
3,500.00	3,498.45	3,723.13	3,702.01	7.40	9.03	54.19	-3.46	-1,113.80	1,098.64	1,083.31	15.34	71.627		
3,600.00	3,598.24	3,820.72	3,798.12	7.61	9.35	54.50	-3.46	-1,096.86	1,077.60	1,061.83	15.77	68.332		
3,700.00	3,698.04	3,918.31	3,894.22	7.82	9.67	54.83	-3.46	-1,079.91	1,056.58	1,040.37	16.21	65.199		
3,800.00	3,797.83	4,015.89	3,990.33	8.04	9.99	55.17	-3.46	-1,062.97	1,035.60	1,018.95	16.64	62.221		
3,900.00	3,897.63	4,113.48	4,086.43	8.25	10.32	55.52	-3.46	-1,046.02	1,014.65	997.56	17.09	59.386		
4,000.00	3,997.42	4,211.07	4,182.54	8.47	10.65	55.88	-3.46	-1,029.07	993.74	976.21	17.53	56.686		
4,100.00	4,097.21	4,308.66	4,278.64	8.69	10.98	56.26	-3.46	-1,012.13	972.87	954.90	17.98	54.113		
4,200.00	4,197.01	4,406.24	4,374.75	8.91	11.31	56.66	-3.46	-995.18	952.05	933.62	18.43	51.660		
4,300.00	4,296.80	4,503.83	4,470.85	9.13	11.64	57.08	-3.46	-978.24	931.27	912.39	18.88	49.319		
4,400.00	4,396.60	4,601.42	4,566.96	9.35	11.97	57.51	-3.46	-961.29	910.54	891.20	19.34	47.084		
4,500.00	4,496.39	4,699.00	4,663.06	9.58	12.31	57.97	-3.46	-944.34	889.87	870.07	19.80	44.948		
4,600.00	4,596.19	4,796.59	4,759.17	9.80	12.64	58.45	-3.46	-927.40	869.25	848.99	20.26	42.907		
4,700.00	4,695.98	4,894.18	4,855.27	10.03	12.98	58.95	-3.46	-910.45	848.69	827.97	20.72	40.954		
4,800.00	4,795.78	4,991.77	4,951.38	10.26	13.32	59.47	-3.46	-893.51	828.20	807.01	21.19	39.084		
4,900.00	4,895.57	5,089.35	5,047.48	10.49	13.66	60.02	-3.46	-876.56	807.77	786.11	21.66	37.293		
5,000.00	4,895.36	5,186.94	5,143.59	10.72	14.00	60.60	-3.46	-859.61	787.43	765.29	22.13	35.577		
5,100.00	5,095.16	5,284.53	5,239.69	10.95	14.34	61.21	-3.46	-842.67	767.16	744.55	22.61	33.932		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,194.95	5,382.12	5,335.80	11.18	14.68	61.85	-3.46	-825.72	746.98	723.89	23.09	32.354		
5,300.00	5,294.75	5,479.70	5,431.90	11.41	15.02	62.53	-3.46	-808.78	726.90	703.33	23.57	30.839		
5,400.00	5,394.54	5,577.29	5,528.01	11.65	15.36	63.24	-3.46	-791.83	706.92	682.87	24.06	29.385		
5,500.00	5,494.34	5,674.88	5,624.11	11.88	15.70	64.00	-3.46	-774.89	687.06	662.51	24.55	27.989		
5,600.00	5,594.13	5,772.47	5,720.22	12.11	16.05	64.80	-3.46	-757.94	667.32	642.27	25.04	26.647		
5,700.00	5,693.93	5,870.05	5,816.32	12.35	16.39	65.65	-3.46	-740.99	647.71	622.16	25.54	25.357		
5,800.00	5,793.72	5,955.77	5,900.83	12.58	16.66	66.43	-3.46	-726.64	628.89	602.83	26.06	24.137		
5,900.00	5,893.51	6,036.98	5,981.23	12.82	16.88	67.15	-3.46	-715.24	612.76	586.21	26.55	23.078		
6,000.00	5,993.31	6,118.98	6,062.71	13.06	17.07	67.85	-3.46	-706.04	599.49	572.47	27.02	22.186		
6,100.00	6,093.10	6,200.00	6,143.44	13.30	17.23	68.50	-3.46	-699.25	589.07	561.61	27.47	21.447		
6,200.00	6,192.90	6,284.81	6,228.11	13.53	17.39	69.13	-3.46	-694.59	581.51	553.62	27.89	20.849		
6,300.00	6,292.69	6,368.37	6,311.65	13.77	17.52	69.69	-3.46	-692.44	576.81	548.52	28.29	20.389		
6,400.00	6,392.49	6,462.11	6,405.39	14.01	17.67	70.26	-3.46	-692.27	574.41	545.70	28.71	20.005		
6,500.00	6,492.28	6,561.90	6,505.18	14.25	17.83	70.86	-3.46	-692.27	572.28	543.11	29.17	19.620		
6,600.00	6,592.08	6,661.70	6,604.98	14.49	18.00	71.47	-3.46	-692.27	570.20	540.58	29.63	19.246		
6,700.00	6,691.87	6,761.49	6,704.77	14.73	18.18	72.08	-3.46	-692.27	568.20	538.11	30.09	18.885		
6,800.00	6,791.66	6,861.29	6,804.56	14.97	18.35	72.70	-3.46	-692.27	566.25	535.70	30.55	18.536		
6,900.00	6,891.46	6,961.08	6,904.36	15.21	18.52	73.32	-3.46	-692.27	564.38	533.36	31.01	18.199		
7,000.00	6,991.25	7,060.88	7,004.15	15.45	18.70	73.94	-3.46	-692.27	562.57	531.09	31.48	17.872		
7,100.00	7,091.05	7,160.67	7,103.95	15.69	18.87	74.57	-3.46	-692.27	560.82	528.88	31.94	17.557		
7,200.00	7,190.84	7,260.46	7,203.74	15.93	19.05	75.20	-3.46	-692.27	559.15	526.74	32.41	17.253		
7,300.00	7,290.64	7,360.26	7,303.54	16.17	19.23	75.84	-3.46	-692.27	557.55	524.67	32.88	16.958		
7,400.00	7,390.43	7,460.05	7,403.33	16.42	19.40	76.48	-3.46	-692.27	556.01	522.66	33.35	16.673		
7,500.00	7,490.23	7,559.85	7,503.13	16.65	19.58	77.11	-3.46	-692.27	554.55	520.74	33.81	16.401		
7,600.00	7,590.10	7,659.72	7,603.00	16.85	19.76	77.62	-3.46	-692.27	553.43	519.20	34.24	16.165		
7,700.00	7,690.04	7,759.66	7,702.94	17.05	19.95	77.95	-3.46	-692.27	552.72	518.07	34.65	15.953		
7,800.00	7,790.02	7,859.65	7,802.92	17.24	20.13	78.11	-3.46	-692.27	552.38	517.33	35.05	15.762		
7,899.49	7,889.51	7,959.13	7,902.41	17.43	20.31	-63.47	-3.46	-692.27	552.30	516.86	35.44	15.582		
7,900.00	7,890.02	7,959.65	7,902.92	17.43	20.31	-63.49	-3.46	-692.27	552.34	516.90	35.45	15.583		
8,000.00	7,990.02	8,059.65	8,002.92	17.63	20.50	-63.49	-3.46	-692.27	552.34	516.50	35.84	15.411		
8,100.00	8,090.02	8,159.65	8,102.92	17.82	20.68	-63.49	-3.46	-692.27	552.34	516.11	36.24	15.243		
8,200.00	8,190.02	8,259.65	8,202.92	18.01	20.87	-63.49	-3.46	-692.27	552.34	515.71	36.63	15.077		
8,300.00	8,290.02	8,359.65	8,302.92	18.21	21.05	-63.49	-3.46	-692.27	552.34	515.31	37.03	14.915		
8,400.00	8,390.02	8,459.65	8,402.92	18.40	21.24	-63.49	-3.46	-692.27	552.34	514.91	37.43	14.755		
8,500.00	8,490.02	8,559.64	8,502.92	18.60	21.43	-63.16	-3.46	-692.27	552.22	514.38	37.83	14.596		
8,600.00	8,589.19	8,658.81	8,602.09	18.76	21.61	-64.72	-3.46	-692.27	546.98	508.82	38.15	14.336		
8,700.00	8,684.80	8,754.42	8,697.70	18.89	21.80	-68.52	-3.46	-692.27	535.07	496.71	38.36	13.949		
8,800.00	8,773.95	8,843.57	8,786.85	18.99	21.97	-74.23	-3.46	-692.27	519.16	480.69	38.47	13.497		
8,900.00	8,853.92	8,923.55	8,866.82	19.06	22.12	-81.06	-3.46	-692.27	503.50	464.97	38.53	13.068		
9,000.00	8,922.29	8,991.92	8,935.19	19.12	22.25	-87.76	-3.46	-692.27	493.64	454.98	38.66	12.769		
9,038.61	8,945.13	9,014.76	8,958.03	19.14	22.29	-90.00	-3.46	-692.27	492.66	453.89	38.76	12.709 CC, ES		
9,100.00	8,976.98	9,046.60	8,989.88	19.20	22.35	-92.88	-3.46	-692.27	495.44	456.46	38.98	12.709		
9,200.00	9,016.33	9,085.95	9,029.23	19.44	22.43	-95.23	-3.46	-692.27	513.34	473.79	39.55	12.979		
9,300.00	9,039.14	9,108.76	9,052.04	19.83	22.47	-94.00	-3.46	-692.27	548.65	508.38	40.27	13.624		
9,400.00	9,045.03	9,114.65	9,057.93	20.33	22.48	-90.06	-3.46	-692.27	599.27	558.29	40.98	14.624		
9,500.00	9,045.19	9,114.81	9,058.09	20.93	22.48	-90.08	-3.46	-692.27	661.33	619.74	41.60	15.899		
9,600.00	9,045.35	9,114.97	9,058.25	21.64	22.48	-90.10	-3.46	-692.27	731.85	689.74	42.10	17.382		
9,700.00	9,045.50	9,115.13	9,058.40	22.45	22.48	-90.12	-3.46	-692.27	808.60	766.10	42.51	19.023		
9,800.00	9,045.66	9,115.29	9,058.56	23.34	22.48	-90.14	-3.46	-692.27	889.99	847.16	42.82	20.782		
9,900.00	9,045.82	9,115.45	9,058.72	24.31	22.48	-90.16	-3.46	-692.27	974.84	931.77	43.07	22.632		
10,000.00	9,045.98	11,196.78	10,045.89	25.34	36.16	163.88	936.61	79.47	1,027.39	997.11	30.28	33.926		
10,100.00	9,046.14	11,296.78	10,046.36	26.44	36.70	163.86	1,036.61	79.35	1,027.84	996.51	31.33	32.809		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at:	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Belloq 11-2 Fed State Com - Belloq 11 Fed 222H (Offset) - OH - Plan #1												Offset Site Error:	0.00 usft
Survey Program: 0-LEAM.MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
10,200.00	9,046.30	11,396.78	10,046.83	27.59	37.30	163.84	1,136.61	79.23	1,028.29	995.86	32.43	31.711	
10,300.00	9,046.46	11,496.77	10,047.30	28.79	37.96	163.81	1,236.60	79.10	1,028.73	995.16	33.57	30.641	
10,400.00	9,046.62	11,596.77	10,047.77	30.03	38.67	163.79	1,336.60	78.98	1,029.18	994.42	34.77	29.604	
10,500.00	9,046.78	11,696.77	10,048.24	31.30	39.44	163.77	1,436.60	78.86	1,029.63	993.63	36.00	28.604	
10,600.00	9,046.94	11,796.77	10,048.71	32.61	40.26	163.74	1,536.59	78.74	1,030.08	992.81	37.26	27.643	
10,700.00	9,047.10	11,896.77	10,049.18	33.95	41.14	163.72	1,636.59	78.61	1,030.52	991.96	38.56	26.723	
10,800.00	9,047.26	11,996.76	10,049.65	35.31	42.07	163.70	1,736.59	78.49	1,030.97	991.08	39.89	25.844	
10,900.00	9,047.41	12,096.76	10,050.13	36.69	43.04	163.67	1,836.58	78.37	1,031.42	990.17	41.25	25.005	
11,000.00	9,047.57	12,196.76	10,050.60	38.10	44.06	163.65	1,936.58	78.25	1,031.87	989.24	42.63	24.206	
11,100.00	9,047.73	12,296.76	10,051.07	39.52	45.12	163.63	2,036.58	78.12	1,032.31	988.28	44.03	23.445	
11,200.00	9,047.89	12,396.76	10,051.54	40.96	46.22	163.60	2,136.58	78.00	1,032.76	987.31	45.46	22.720	
11,300.00	9,048.05	12,496.75	10,052.01	42.42	47.36	163.58	2,236.57	77.88	1,033.21	986.31	46.90	22.031	
11,400.00	9,048.21	12,596.75	10,052.48	43.88	48.52	163.56	2,336.57	77.76	1,033.66	985.30	48.36	21.376	
11,500.00	9,048.37	12,696.75	10,052.95	45.36	49.72	163.54	2,436.57	77.64	1,034.11	984.28	49.83	20.752	
11,600.00	9,048.53	12,796.75	10,053.42	46.85	50.95	163.51	2,536.56	77.51	1,034.56	983.24	51.32	20.159	
11,700.00	9,048.69	12,896.75	10,053.90	48.35	52.21	163.49	2,636.56	77.39	1,035.01	982.18	52.82	19.594	
11,800.00	9,048.85	12,996.75	10,054.37	49.86	53.48	163.47	2,736.56	77.27	1,035.46	981.12	54.34	19.056	
11,900.00	9,049.01	13,096.74	10,054.84	51.37	54.78	163.44	2,836.55	77.15	1,035.90	980.04	55.86	18.543	
12,000.00	9,049.16	13,196.74	10,055.31	52.90	56.10	163.42	2,936.55	77.02	1,036.35	978.95	57.40	18.054	
12,100.00	9,049.32	13,296.74	10,055.78	54.43	57.44	163.40	3,036.55	76.90	1,036.80	977.85	58.95	17.588	
12,200.00	9,049.48	13,396.74	10,056.25	55.96	58.80	163.37	3,136.54	76.78	1,037.25	976.75	60.51	17.143	
12,300.00	9,049.64	13,496.74	10,056.72	57.51	60.17	163.35	3,236.54	76.66	1,037.70	975.63	62.07	16.718	
12,400.00	9,049.80	13,596.73	10,057.19	59.05	61.55	163.33	3,336.54	76.53	1,038.15	974.51	63.64	16.312	
12,500.00	9,049.96	13,696.73	10,057.66	60.61	62.95	163.30	3,436.54	76.41	1,038.60	973.38	65.22	15.924	
12,600.00	9,050.12	13,796.73	10,058.14	62.16	64.36	163.28	3,536.53	76.29	1,039.06	972.24	66.81	15.552	
12,700.00	9,050.28	13,896.73	10,058.61	63.72	65.79	163.26	3,636.53	76.17	1,039.51	971.10	68.41	15.196	
12,800.00	9,050.44	13,996.73	10,059.08	65.29	67.22	163.24	3,736.53	76.05	1,039.96	969.95	70.01	14.855	
12,900.00	9,050.60	14,096.72	10,059.55	66.86	68.67	163.21	3,836.52	75.92	1,040.41	968.79	71.62	14.528	
13,000.00	9,050.76	14,196.72	10,060.02	68.43	70.12	163.19	3,936.52	75.80	1,040.86	967.63	73.23	14.214	
13,100.00	9,050.92	14,296.72	10,060.49	70.00	71.58	163.17	4,036.52	75.68	1,041.31	966.46	74.85	13.913	
13,200.00	9,051.07	14,396.72	10,060.96	71.58	73.06	163.14	4,136.51	75.56	1,041.76	965.29	76.47	13.623	
13,300.00	9,051.23	14,496.72	10,061.43	73.16	74.53	163.12	4,236.51	75.43	1,042.21	964.12	78.10	13.345	
13,400.00	9,051.39	14,596.72	10,061.91	74.74	76.02	163.10	4,336.51	75.31	1,042.67	962.94	79.73	13.077	
13,500.00	9,051.55	14,696.71	10,062.38	76.33	77.51	163.08	4,436.51	75.19	1,043.12	961.75	81.37	12.820	
13,600.00	9,051.71	14,796.71	10,062.85	77.92	79.01	163.05	4,536.50	75.07	1,043.57	960.56	83.01	12.572	
13,700.00	9,051.87	14,896.71	10,063.32	79.51	80.52	163.03	4,636.50	74.94	1,044.02	959.37	84.66	12.333	
13,800.00	9,052.03	14,996.71	10,063.79	81.10	82.03	163.01	4,736.50	74.82	1,044.48	958.17	86.30	12.102	
13,900.00	9,052.19	15,096.71	10,064.26	82.69	83.54	162.99	4,836.49	74.70	1,044.93	956.97	87.96	11.880	
14,000.00	9,052.35	15,196.70	10,064.73	84.29	85.06	162.96	4,936.49	74.58	1,045.38	955.77	89.62	11.665	
14,100.00	9,052.51	15,219.52	10,064.84	85.89	85.41	162.96	4,959.31	74.55	1,045.83	954.57	91.28	11.456	
14,200.00	9,052.67	15,219.52	10,064.84	87.48	85.41	162.96	4,959.31	74.55	1,046.28	953.37	92.94	11.251	
14,300.00	9,052.83	15,219.52	10,064.84	89.08	85.41	162.96	4,959.31	74.55	1,046.73	952.17	94.60	11.047	
14,400.00	9,052.99	15,219.52	10,064.84	90.69	85.41	162.96	4,959.31	74.55	1,047.18	950.97	96.26	10.844	
14,500.00	9,053.14	15,219.52	10,064.84	92.29	85.41	162.96	4,959.31	74.55	1,047.63	949.77	97.92	10.641	
14,600.00	9,053.30	15,219.52	10,064.84	93.89	85.41	162.96	4,959.31	74.55	1,048.08	948.57	99.58	10.438	
14,700.00	9,053.46	15,219.52	10,064.84	95.50	85.41	162.96	4,959.31	74.55	1,048.53	947.37	101.24	10.235	
14,800.00	9,053.62	15,219.52	10,064.84	97.10	85.41	162.96	4,959.31	74.55	1,048.98	946.17	102.90	10.032	
14,900.00	9,053.78	15,219.52	10,064.84	98.71	85.41	162.96	4,959.31	74.55	1,049.43	944.97	104.56	9.829	
15,000.00	9,053.94	15,219.52	10,064.84	100.32	85.41	162.96	4,959.31	74.55	1,049.88	943.77	106.22	9.626	
15,100.00	9,054.10	15,219.52	10,064.84	101.93	85.41	162.96	4,959.31	74.55	1,050.33	942.57	107.88	9.423	
15,200.00	9,054.26	15,219.52	10,064.84	103.54	85.41	162.96	4,959.31	74.55	1,050.78	941.37	109.54	9.220	
15,300.00	9,054.42	15,219.52	10,064.84	105.15	85.41	162.96	4,959.31	74.55	1,051.23	940.17	111.20	9.017	

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Belloq 11-2 Fed State Com - Belloq 11 Fed 222H (Offset) - OH - Plan #1		Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM															Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
15,400.00	9,054.58	15,219.52	10,064.84	106.77	85.41	162.96	4,959.31	74.55	1,732.83	1,652.89	79.94	21.677				
15,500.00	9,054.73	15,219.52	10,064.84	108.38	85.41	162.96	4,959.31	74.55	1,813.58	1,734.72	78.87	22.996				
15,600.00	9,054.89	15,219.52	10,064.84	109.99	85.41	162.96	4,959.31	74.55	1,896.17	1,818.31	77.87	24.352				
15,700.00	9,055.05	15,219.52	10,064.84	111.61	85.41	162.96	4,959.31	74.55	1,980.37	1,903.43	76.94	25.740				

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD+HDGM														Offset Well Error:	0.00 usft
Reference: Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 223H (Offset) - OH - Plan #1															
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)							
7,900.00	7,890.02	8,405.81	8,306.32	17.43	24.57	88.41	-195.54	1,762.04	1,997.90	1,960.97	36.94	54.091			
8,000.00	7,990.02	8,503.65	8,402.05	17.63	24.96	88.63	-203.69	1,743.54	1,978.73	1,941.31	37.43	52.870			
8,100.00	8,090.02	8,598.23	8,494.59	17.82	25.34	88.86	-211.58	1,725.67	1,959.60	1,921.69	37.91	51.686			
8,200.00	8,190.02	8,664.83	8,559.89	18.01	25.53	89.01	-216.86	1,713.71	1,941.45	1,903.11	38.34	50.641			
8,300.00	8,290.02	8,731.87	8,625.85	18.21	25.72	89.15	-221.70	1,702.72	1,924.90	1,886.15	38.75	49.673			
8,400.00	8,390.02	8,800.00	8,693.08	18.40	25.91	89.28	-226.15	1,692.65	1,909.98	1,870.83	39.16	48.778			
8,500.00	8,490.02	8,867.14	8,759.52	18.60	26.08	90.00	-230.06	1,683.79	1,896.70	1,857.15	39.55	47.960			
8,600.00	8,589.19	8,934.35	8,826.19	18.76	26.24	91.51	-233.49	1,675.99	1,885.15	1,845.22	39.93	47.215			
8,700.00	8,684.80	9,000.00	8,891.44	18.89	26.39	93.10	-236.40	1,669.42	1,875.94	1,835.64	40.30	46.551			
8,800.00	8,773.95	9,059.38	8,950.56	18.99	26.52	94.59	-238.63	1,664.36	1,869.93	1,829.27	40.67	45.983			
8,884.08	8,841.91	9,100.00	8,991.05	19.05	26.60	95.53	-239.94	1,661.38	1,868.09	1,827.10	40.98	45.581 CC, ES			
8,900.00	8,853.92	9,100.00	8,991.05	19.06	26.60	95.52	-239.94	1,661.38	1,868.18	1,827.15	41.03	45.532			
9,000.00	8,922.29	9,160.06	9,050.98	19.12	26.71	96.54	-241.57	1,657.69	1,871.42	1,829.93	41.49	45.102			
9,100.00	8,976.98	9,200.00	9,090.86	19.20	26.79	96.65	-242.44	1,655.72	1,880.67	1,838.67	42.00	44.779			
9,200.00	9,016.33	9,223.99	9,114.83	19.44	26.83	95.76	-242.88	1,654.72	1,896.32	1,853.76	42.56	44.556			
9,300.00	9,039.14	9,239.17	9,129.99	19.83	26.85	93.96	-243.13	1,654.16	1,918.40	1,875.21	43.19	44.419			
9,400.00	9,045.03	9,242.32	9,133.14	20.33	26.86	91.73	-243.18	1,654.05	1,946.42	1,902.57	43.85	44.385 SF			
9,500.00	9,045.19	9,241.35	9,132.16	20.93	26.86	91.70	-243.16	1,654.08	1,979.33	1,934.77	44.56	44.421			

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 231H (Offset) - OH - Plan #1														
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	-E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	11.90	11.90	0.00	0.01	-90.14	-3.49	-1,399.67	1,399.67	1,399.48	0.19	7,334.797		
100.00	100.00	111.90	111.90	0.09	0.10	-90.14	-3.49	-1,399.67	1,399.67	1,399.03	0.64	2,185.766		
200.00	200.00	211.90	211.90	0.31	0.33	-90.14	-3.49	-1,399.67	1,399.67	1,398.58	1.09	1,284.234		
300.00	300.00	311.90	311.90	0.54	0.55	-90.14	-3.49	-1,399.67	1,399.67	1,398.13	1.54	909.220		
400.00	400.00	411.90	411.90	0.76	0.78	-90.14	-3.49	-1,399.67	1,399.67	1,397.69	1.99	703.724		
500.00	500.00	511.90	511.90	0.99	1.00	-90.14	-3.49	-1,399.67	1,399.67	1,397.24	2.44	573.993		
600.00	600.00	611.90	611.90	1.21	1.23	-90.14	-3.49	-1,399.67	1,399.67	1,396.79	2.89	484.649		
700.00	700.00	711.90	711.90	1.43	1.45	-90.14	-3.49	-1,399.67	1,399.67	1,396.34	3.34	419.372		
800.00	800.00	811.90	811.90	1.66	1.68	-90.14	-3.49	-1,399.67	1,399.67	1,395.89	3.79	369.592		
900.00	900.00	911.90	911.90	1.88	1.90	-90.14	-3.49	-1,399.67	1,399.67	1,395.44	4.24	330.376		
1,000.00	1,000.00	1,011.90	1,011.90	2.11	2.13	-90.14	-3.49	-1,399.67	1,399.67	1,394.99	4.69	298.683		
1,100.00	1,100.00	1,111.90	1,111.90	2.33	2.35	-90.14	-3.49	-1,399.67	1,399.67	1,394.54	5.14	272.539		
1,200.00	1,200.00	1,211.90	1,211.90	2.56	2.58	-90.14	-3.49	-1,399.67	1,399.67	1,394.09	5.59	250.604		
1,300.00	1,300.00	1,311.90	1,311.90	2.78	2.80	-90.14	-3.49	-1,399.67	1,399.67	1,393.64	6.03	231.936		
1,400.00	1,400.00	1,411.90	1,411.90	3.01	3.03	-90.14	-3.49	-1,399.67	1,399.67	1,393.19	6.48	215.857		
1,500.00	1,500.00	1,511.90	1,511.90	3.23	3.25	-90.14	-3.49	-1,399.67	1,399.67	1,392.74	6.93	201.862		
1,600.00	1,600.00	1,611.90	1,611.90	3.46	3.48	-90.14	-3.49	-1,399.67	1,399.67	1,392.29	7.38	189.572		
1,700.00	1,700.00	1,711.90	1,711.90	3.68	3.70	-90.14	-3.49	-1,399.67	1,399.67	1,391.84	7.83	178.692		
1,800.00	1,800.00	1,811.90	1,811.90	3.91	3.93	-90.14	-3.49	-1,399.67	1,399.67	1,391.39	8.28	168.994		
1,900.00	1,900.00	1,911.90	1,911.90	4.13	4.15	-90.14	-3.49	-1,399.67	1,399.67	1,390.94	8.73	160.294		
2,000.00	2,000.00	2,011.90	2,011.90	4.36	4.38	-90.14	-3.49	-1,399.67	1,399.67	1,390.49	9.18	152.446		
2,100.00	2,100.00	2,111.90	2,111.90	4.58	4.60	-90.14	-3.49	-1,399.67	1,399.67	1,390.04	9.63	145.330		
2,200.00	2,200.00	2,211.90	2,211.90	4.81	4.82	-90.14	-3.49	-1,399.67	1,399.67	1,389.59	10.08	138.849		
2,300.00	2,300.00	2,311.90	2,311.90	5.03	5.05	-90.14	-3.49	-1,399.67	1,399.67	1,389.14	10.53	132.922		
2,400.00	2,400.00	2,411.90	2,411.90	5.26	5.27	-90.14	-3.49	-1,399.67	1,399.67	1,388.69	10.98	127.480		
2,500.00	2,500.00	2,511.90	2,511.90	5.48	5.50	-90.14	-3.49	-1,399.67	1,399.67	1,388.24	11.40	122.700		
2,600.00	2,599.99	2,611.89	2,611.89	5.68	5.72	51.51	-3.49	-1,399.67	1,399.13	1,387.73	11.80	118.407		
2,700.00	2,699.96	2,711.86	2,711.86	5.86	5.95	51.61	-3.49	-1,399.67	1,397.50	1,385.70	12.21	114.276		
2,800.00	2,799.86	2,811.76	2,811.76	6.04	6.17	51.77	-3.49	-1,399.67	1,394.80	1,382.59	12.61	110.297		
2,900.00	2,899.68	2,911.58	2,911.58	6.22	6.40	51.98	-3.49	-1,399.67	1,391.08	1,378.47	13.00	106.737		
3,000.00	2,999.48	3,000.00	3,000.00	6.41	6.60	52.17	-3.49	-1,399.67	1,387.19	1,374.19	13.34	103.795		
3,100.00	3,099.27	3,076.57	3,076.56	6.60	6.75	52.31	-3.84	-1,400.63	1,384.60	1,371.26	13.54	102.217		
3,162.99	3,162.13	3,119.92	3,119.88	6.72	6.84	52.38	-4.35	-1,402.03	1,384.16	1,370.61	13.66	101.368		
3,200.00	3,199.06	3,145.40	3,145.34	6.80	6.89	52.42	-4.75	-1,403.14	1,384.31	1,370.65	13.98	99.147		
3,300.00	3,298.86	3,220.68	3,220.47	7.00	7.03	52.51	-6.37	-1,407.58	1,386.22	1,372.24	14.37	96.644		
3,400.00	3,398.65	3,320.61	3,320.16	7.20	7.23	52.61	-8.75	-1,414.13	1,388.84	1,374.47	14.77	94.240		
3,500.00	3,498.45	3,420.54	3,419.84	7.40	7.43	52.72	-11.14	-1,420.68	1,391.47	1,376.71	15.16	91.933		
3,600.00	3,598.24	3,520.48	3,519.53	7.61	7.63	52.83	-13.52	-1,427.23	1,394.10	1,378.94	15.57	89.717		
3,700.00	3,698.04	3,620.41	3,619.22	7.82	7.83	52.93	-15.91	-1,433.79	1,396.74	1,381.17	15.98	87.592		
3,800.00	3,797.83	3,720.34	3,718.91	8.04	8.04	53.04	-18.29	-1,440.34	1,399.38	1,383.40	16.39	85.553		
3,900.00	3,897.63	3,820.27	3,818.60	8.25	8.25	53.14	-20.67	-1,446.89	1,402.02	1,385.64	16.80	83.596		
4,000.00	3,997.42	3,920.20	3,918.29	8.47	8.46	53.25	-23.06	-1,453.44	1,404.68	1,387.87	17.22	81.718		
4,100.00	4,097.21	4,020.14	4,017.98	8.69	8.67	53.35	-25.44	-1,459.99	1,407.33	1,390.11	17.64	79.915		
4,200.00	4,197.01	4,120.07	4,117.66	8.91	8.89	53.46	-27.83	-1,466.54	1,409.99	1,392.35	18.07	78.184		
4,300.00	4,296.80	4,220.00	4,217.35	9.13	9.11	53.56	-30.21	-1,473.09	1,412.65	1,394.59	18.50	76.522		
4,400.00	4,396.60	4,319.93	4,317.04	9.35	9.33	53.66	-32.59	-1,479.64	1,415.32	1,396.83	18.93	74.925		
4,500.00	4,496.39	4,419.86	4,416.73	9.58	9.55	53.76	-34.98	-1,486.19	1,418.00	1,399.07	19.36	73.390		
4,600.00	4,596.19	4,519.80	4,516.42	9.80	9.77	53.87	-37.36	-1,492.74	1,420.67	1,401.32	19.79	71.914		
4,700.00	4,695.98	4,619.73	4,616.11	10.03	10.00	53.97	-39.75	-1,499.29	1,423.36	1,403.56	20.23	70.495		
4,800.00	4,795.78	4,719.66	4,715.80	10.26	10.22	54.07	-42.13	-1,505.84	1,426.04	1,405.82	20.67	69.129		
4,900.00	4,895.57	4,819.59	4,815.48	10.49	10.45	54.17	-44.51	-1,512.39	1,428.74	1,408.07	21.11	67.814		
5,000.00	4,995.36	4,919.52	4,915.17	10.72	10.68	54.27	-46.90	-1,518.94	1,431.43	1,410.32				

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference														
Offset														
Semi Major Axis														
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,100.00	5,095.16	5,019.46	5,014.86	10.95	10.91	54.37	-49.28	-1,525.49	1,434.13	1,412.58	21.55	66.548		
5,200.00	5,194.95	5,119.39	5,114.55	11.18	11.14	54.47	-51.67	-1,532.04	1,436.84	1,414.84	21.99	65.328		
5,300.00	5,294.75	5,235.08	5,229.97	11.41	11.40	54.59	-54.36	-1,539.44	1,439.45	1,416.97	22.48	64.035		
5,400.00	5,394.54	5,411.64	5,406.44	11.65	11.76	54.88	-56.00	-1,543.95	1,438.12	1,415.05	23.07	62.343		
5,500.00	5,494.34	5,511.44	5,506.24	11.88	11.96	55.09	-56.00	-1,543.95	1,434.44	1,410.94	23.50	61.033		
5,600.00	5,594.13	5,611.23	5,606.03	12.11	12.17	55.30	-56.00	-1,543.95	1,430.78	1,406.83	23.95	59.743		
5,700.00	5,693.93	5,711.02	5,705.83	12.35	12.38	55.51	-56.00	-1,543.95	1,427.13	1,402.74	24.40	58.497		
5,800.00	5,793.72	5,810.82	5,805.62	12.58	12.60	55.73	-56.00	-1,543.95	1,423.51	1,398.66	24.84	57.296		
5,900.00	5,893.51	5,910.61	5,905.41	12.82	12.81	55.94	-56.00	-1,543.95	1,419.90	1,394.61	25.29	56.135		
6,000.00	5,993.31	6,010.41	6,005.21	13.06	13.03	56.15	-56.00	-1,543.95	1,416.32	1,390.58	25.74	55.014		
6,100.00	6,093.10	6,110.20	6,105.00	13.30	13.24	56.37	-56.00	-1,543.95	1,412.76	1,386.56	26.20	53.931		
6,200.00	6,192.90	6,210.00	6,204.80	13.53	13.46	56.59	-56.00	-1,543.95	1,409.21	1,382.56	26.65	52.883		
6,300.00	6,292.69	6,309.79	6,304.59	13.77	13.67	56.80	-56.00	-1,543.95	1,405.69	1,378.59	27.10	51.870		
6,400.00	6,392.49	6,409.59	6,404.39	14.01	13.89	57.02	-56.00	-1,543.95	1,402.18	1,374.63	27.55	50.889		
6,500.00	6,492.28	6,509.38	6,504.18	14.25	14.10	57.24	-56.00	-1,543.95	1,398.70	1,370.69	28.01	49.940		
6,600.00	6,592.08	6,609.17	6,603.98	14.49	14.32	57.46	-56.00	-1,543.95	1,395.24	1,366.78	28.46	49.020		
6,700.00	6,691.87	6,708.97	6,703.77	14.73	14.53	57.69	-56.00	-1,543.95	1,391.80	1,362.88	28.92	48.129		
6,800.00	6,791.66	6,808.76	6,803.56	14.97	14.75	57.91	-56.00	-1,543.95	1,388.38	1,359.00	29.37	47.265		
6,900.00	6,891.46	6,908.56	6,903.36	15.21	14.97	58.13	-56.00	-1,543.95	1,384.98	1,355.15	29.83	46.428		
7,000.00	6,991.25	7,008.35	7,003.15	15.45	15.18	58.36	-56.00	-1,543.95	1,381.60	1,351.31	30.29	45.615		
7,100.00	7,091.05	7,108.15	7,102.95	15.69	15.40	58.59	-56.00	-1,543.95	1,378.24	1,347.50	30.75	44.827		
7,200.00	7,190.84	7,207.94	7,202.74	15.93	15.62	58.81	-56.00	-1,543.95	1,374.91	1,343.71	31.20	44.061		
7,300.00	7,290.64	7,307.74	7,302.54	16.17	15.84	59.04	-56.00	-1,543.95	1,371.60	1,339.93	31.66	43.318		
7,400.00	7,390.43	7,407.53	7,402.33	16.42	16.05	59.27	-56.00	-1,543.95	1,368.31	1,336.18	32.12	42.596		
7,500.00	7,490.23	7,507.33	7,502.13	16.65	16.27	59.49	-56.00	-1,543.95	1,365.06	1,332.48	32.58	41.901		
7,600.00	7,590.10	7,607.20	7,602.00	16.85	16.49	59.66	-56.00	-1,543.95	1,362.47	1,329.47	33.00	41.288		
7,700.00	7,690.04	7,707.14	7,701.94	17.05	16.71	59.77	-56.00	-1,543.95	1,360.76	1,327.35	33.42	40.723		
7,800.00	7,790.02	7,807.12	7,801.92	17.24	16.93	59.82	-56.00	-1,543.95	1,359.94	1,326.12	33.83	40.203		
7,899.52	7,889.54	7,906.64	7,901.44	17.43	17.15	-81.79	-56.00	-1,543.95	1,359.75	1,325.51	34.24	39.709		
7,900.00	7,890.02	7,907.12	7,901.92	17.43	17.15	-81.80	-56.00	-1,543.95	1,359.86	1,325.61	34.24	39.710		
8,000.00	7,990.02	8,007.12	8,001.92	17.63	17.37	-81.80	-56.00	-1,543.95	1,359.86	1,325.20	34.66	39.236		
8,100.00	8,090.02	8,107.12	8,101.92	17.82	17.59	-81.80	-56.00	-1,543.95	1,359.86	1,324.79	35.07	38.772		
8,200.00	8,190.02	8,207.12	8,201.92	18.01	17.81	-81.80	-56.00	-1,543.95	1,359.86	1,324.37	35.49	38.318		
8,300.00	8,290.02	8,307.12	8,301.92	18.21	18.02	-81.80	-56.00	-1,543.95	1,359.86	1,323.95	35.91	37.873		
8,400.00	8,390.02	8,407.12	8,401.92	18.40	18.24	-81.80	-56.00	-1,543.95	1,359.86	1,323.54	36.32	37.438		
8,500.00	8,490.02	8,507.12	8,501.92	18.60	18.46	-81.44	-56.00	-1,543.95	1,359.82	1,323.08	36.74	37.012		
8,600.00	8,589.19	8,606.29	8,601.09	18.76	18.68	-82.10	-56.00	-1,543.95	1,358.11	1,320.99	37.12	36.590		
8,700.00	8,684.80	8,701.90	8,696.70	18.89	18.89	-83.63	-56.00	-1,543.95	1,354.36	1,316.92	37.43	36.181		
8,800.00	8,773.95	8,791.05	8,785.85	18.99	19.09	-85.78	-56.00	-1,543.95	1,349.72	1,312.02	37.70	35.799		
8,900.00	8,853.92	8,871.02	8,865.82	19.06	19.27	-88.19	-56.00	-1,543.95	1,345.86	1,307.92	37.95	35.466		
8,979.50	8,909.33	8,926.43	8,921.23	19.11	19.39	-90.00	-56.00	-1,543.95	1,344.66	1,306.51	38.15	35.244 CC, ES		
9,000.00	8,922.29	8,939.39	8,934.19	19.12	19.42	-90.42	-56.00	-1,543.95	1,344.75	1,306.55	38.20	35.199		
9,100.00	8,976.98	8,994.08	8,988.88	19.20	19.54	-92.00	-56.00	-1,543.95	1,348.33	1,309.83	38.51	35.016		
9,200.00	9,016.33	9,033.43	9,028.23	19.44	19.62	-92.54	-56.00	-1,543.95	1,358.19	1,319.32	38.88	34.936		
9,300.00	9,039.14	9,056.24	9,051.04	19.83	19.67	-91.75	-56.00	-1,543.95	1,375.26	1,335.94	39.32	34.977		
9,400.00	9,045.03	9,062.13	9,056.93	20.33	19.69	-90.03	-56.00	-1,543.95	1,399.57	1,359.76	39.81	35.153		
9,500.00	9,045.19	9,062.29	9,057.09	20.93	19.69	-90.03	-56.00	-1,543.95	1,430.54	1,390.17	40.37	35.436		
9,600.00	9,045.35	9,062.44	9,057.25	21.64	19.69	-90.04	-56.00	-1,543.95	1,467.68	1,426.70	40.98	35.817		
9,700.00	9,045.50	9,062.60	9,057.40	22.45	19.69	-90.05	-56.00	-1,543.95	1,510.54	1,468.93	41.61	36.304		
9,800.00	9,045.66	9,062.76	9,057.56	23.34	19.69	-90.05	-56.00	-1,543.95	1,558.64	1,516.40	42.24	36.900		
9,900.00	9,045.82	9,062.92	9,057.72	24.31	19.69	-90.06	-56.00	-1,543.95	1,611.52	1,568.67	42.86	37.603		
10,000.00	9,045.98	9,063.08	9,057.88	25.34	19.69	-90.07	-56.00	-1,543.95	1,668.72	1,625.28	43.45	38.410		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,100.00	9,046.14	9,063.24	9,058.04	26.44	19.69	-90.07	-56.00	-1,543.95	1,729.82	1,885.82	44.00	39.313		
10,200.00	9,046.30	9,063.40	9,058.20	27.59	19.69	-90.08	-56.00	-1,543.95	1,794.41	1,749.89	44.52	40.306		
10,300.00	9,046.46	9,063.56	9,058.36	28.79	19.69	-90.09	-56.00	-1,543.95	1,862.14	1,817.14	45.00	41.381		
10,400.00	9,046.62	11,526.07	10,366.53	30.03	31.22	-134.40	1,342.96	-1,543.95	1,869.43	1,821.43	48.00	38.950		
10,500.00	9,046.78	11,626.07	10,366.37	31.30	32.37	-134.41	1,442.96	-1,543.95	1,868.74	1,818.89	49.85	37.486		
10,600.00	9,046.94	11,726.07	10,366.22	32.61	33.57	-134.42	1,542.95	-1,543.95	1,868.06	1,816.29	51.77	36.086		
10,700.00	9,047.10	11,826.06	10,366.06	33.95	34.81	-134.42	1,642.95	-1,543.95	1,867.37	1,813.63	53.73	34.752		
10,800.00	9,047.26	11,926.06	10,365.90	35.31	36.07	-134.43	1,742.95	-1,543.95	1,866.68	1,810.93	55.75	33.483		
10,900.00	9,047.41	12,026.06	10,365.75	36.69	37.37	-134.44	1,842.95	-1,543.95	1,866.00	1,808.19	57.81	32.280		
11,000.00	9,047.57	12,126.06	10,365.59	38.10	38.69	-134.44	1,942.94	-1,543.95	1,865.31	1,805.41	59.90	31.140		
11,100.00	9,047.73	12,226.05	10,365.43	39.52	40.04	-134.45	2,042.94	-1,543.95	1,864.63	1,802.60	62.03	30.061		
11,200.00	9,047.89	12,326.05	10,365.27	40.96	41.40	-134.46	2,142.94	-1,543.95	1,863.94	1,799.76	64.19	29.039		
11,300.00	9,048.05	12,426.05	10,365.12	42.42	42.79	-134.47	2,242.93	-1,543.95	1,863.26	1,796.88	66.37	28.072		
11,400.00	9,048.21	12,526.05	10,364.96	43.88	44.19	-134.47	2,342.93	-1,543.95	1,862.57	1,793.99	68.58	27.158		
11,500.00	9,048.37	12,626.04	10,364.80	45.36	45.61	-134.48	2,442.93	-1,543.95	1,861.89	1,791.07	70.82	26.291		
11,600.00	9,048.53	12,726.04	10,364.65	46.85	47.04	-134.49	2,542.93	-1,543.95	1,861.20	1,788.13	73.07	25.471		
11,700.00	9,048.69	12,826.04	10,364.49	48.35	48.49	-134.49	2,642.92	-1,543.95	1,860.52	1,785.17	75.34	24.694		
11,800.00	9,048.85	12,926.03	10,364.33	49.86	49.94	-134.50	2,742.92	-1,543.95	1,859.83	1,782.20	77.63	23.957		
11,900.00	9,049.01	13,026.03	10,364.17	51.37	51.41	-134.51	2,842.92	-1,543.95	1,859.15	1,779.21	79.94	23.258		
12,000.00	9,049.16	13,126.03	10,364.02	52.90	52.89	-134.52	2,942.91	-1,543.95	1,858.46	1,776.21	82.25	22.594		
12,100.00	9,049.32	13,226.03	10,363.86	54.43	54.38	-134.52	3,042.91	-1,543.95	1,857.78	1,773.19	84.59	21.963		
12,200.00	9,049.48	13,326.02	10,363.70	55.96	55.87	-134.53	3,142.91	-1,543.95	1,857.09	1,770.16	86.93	21.364		
12,300.00	9,049.64	13,426.02	10,363.55	57.51	57.37	-134.54	3,242.91	-1,543.95	1,856.40	1,767.12	89.28	20.793		
12,400.00	9,049.80	13,526.02	10,363.39	59.05	58.89	-134.54	3,342.90	-1,543.95	1,855.72	1,764.07	91.65	20.249		
12,500.00	9,049.96	13,626.02	10,363.23	60.61	60.40	-134.55	3,442.90	-1,543.95	1,855.03	1,761.02	94.02	19.731		
12,600.00	9,050.12	13,726.01	10,363.08	62.16	61.93	-134.56	3,542.90	-1,543.95	1,854.35	1,757.95	96.40	19.236		
12,700.00	9,050.28	13,826.01	10,362.92	63.72	63.45	-134.57	3,642.90	-1,543.95	1,853.66	1,754.88	98.79	18.764		
12,800.00	9,050.44	13,926.01	10,362.76	65.29	64.99	-134.57	3,742.89	-1,543.95	1,852.98	1,751.80	101.18	18.313		
12,900.00	9,050.60	14,026.01	10,362.60	66.86	66.53	-134.58	3,842.89	-1,543.95	1,852.30	1,748.71	103.59	17.882		
13,000.00	9,050.76	14,126.00	10,362.45	68.43	68.07	-134.59	3,942.89	-1,543.95	1,851.61	1,745.61	106.00	17.469		
13,100.00	9,050.92	14,226.00	10,362.29	70.00	69.62	-134.59	4,042.88	-1,543.95	1,850.93	1,742.51	108.41	17.073		
13,200.00	9,051.07	14,326.00	10,362.13	71.58	71.17	-134.60	4,142.88	-1,543.95	1,850.24	1,739.41	110.83	16.694		
13,300.00	9,051.23	14,426.00	10,361.98	73.16	72.73	-134.61	4,242.88	-1,543.95	1,849.56	1,736.30	113.26	16.331		
13,400.00	9,051.39	14,525.99	10,361.82	74.74	74.29	-134.62	4,342.88	-1,543.95	1,848.87	1,733.18	115.69	15.982		
13,500.00	9,051.55	14,625.99	10,361.66	76.33	75.85	-134.62	4,442.87	-1,543.95	1,848.19	1,730.07	118.12	15.647		
13,600.00	9,051.71	14,725.99	10,361.50	77.92	77.42	-134.63	4,542.87	-1,543.95	1,847.50	1,726.94	120.56	15.325		
13,700.00	9,051.87	14,825.99	10,361.35	79.51	78.99	-134.64	4,642.87	-1,543.95	1,846.82	1,723.82	123.00	15.015		
13,800.00	9,052.03	14,925.98	10,361.19	81.10	80.56	-134.64	4,742.87	-1,543.95	1,846.13	1,720.69	125.45	14.717		
13,900.00	9,052.19	15,025.98	10,361.03	82.69	82.13	-134.65	4,842.86	-1,543.95	1,845.45	1,717.55	127.89	14.429		
14,000.00	9,052.35	15,125.98	10,360.88	84.29	83.71	-134.66	4,942.86	-1,543.95	1,844.76	1,714.42	130.35	14.153		
14,100.00	9,052.51	15,225.97	10,360.72	85.89	85.29	-134.67	5,042.86	-1,543.95	1,844.08	1,711.28	132.80	13.886		
14,200.00	9,052.67	15,325.97	10,360.56	87.48	86.87	-134.67	5,142.85	-1,543.96	1,843.39	1,708.14	135.26	13.629		
14,300.00	9,052.83	15,425.97	10,360.40	89.08	88.45	-134.68	5,242.85	-1,543.96	1,842.71	1,704.99	137.72	13.380		
14,400.00	9,052.98	15,525.97	10,360.25	90.69	90.04	-134.69	5,342.85	-1,543.96	1,842.02	1,701.84	140.18	13.140		
14,500.00	9,053.14	15,625.96	10,360.09	92.29	91.62	-134.69	5,442.85	-1,543.96	1,841.34	1,698.69	142.65	12.908		
14,600.00	9,053.30	15,725.96	10,359.93	93.89	93.21	-134.70	5,542.84	-1,543.96	1,840.66	1,695.54	145.11	12.684		
14,700.00	9,053.46	15,825.96	10,359.78	95.50	94.80	-134.71	5,642.84	-1,543.96	1,839.97	1,692.39	147.58	12.468		
14,800.00	9,053.62	15,925.96	10,359.62	97.10	96.39	-134.72	5,742.84	-1,543.96	1,839.29	1,689.24	150.05	12.258		
14,900.00	9,053.78	16,025.95	10,359.46	98.71	97.99	-134.72	5,842.84	-1,543.96	1,838.60	1,686.08	152.52	12.055		
15,000.00	9,053.94	16,125.95	10,359.31	100.32	99.58	-134.73	5,942.83	-1,543.96	1,837.92	1,682.92	155.00	11.858		
15,100.00	9,054.10	16,225.95	10,359.15	101.93	101.18	-134.74	6,042.83	-1,543.96	1,837.23	1,679.76	157.47	11.667		
15,200.00	9,054.26	16,325.95	10,358.99	103.54	102.77	-134.75	6,142.83	-1,543.96	1,836.55	1,676.60	159.95	11.482		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error: 0.00 usft	
Reference: Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 231H (Offset) - OH - Plan #1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,300.00	9,054.42	16,425.94	10,358.83	105.15	104.37	-134.75	6,242.82	-1,543.96	1,835.87	1,673.44	162.43	11.303		
15,400.00	9,054.58	16,525.94	10,358.68	106.77	105.97	-134.76	6,342.82	-1,543.96	1,835.18	1,670.27	164.91	11.129		
15,500.00	9,054.73	16,625.94	10,358.52	108.38	107.57	-134.77	6,442.82	-1,543.96	1,834.50	1,667.11	167.39	10.960		
15,600.00	9,054.89	16,725.94	10,358.36	109.99	109.18	-134.77	6,542.82	-1,543.96	1,833.81	1,663.94	169.87	10.795		
15,700.00	9,055.05	16,825.93	10,358.21	111.61	110.78	-134.78	6,642.81	-1,543.96	1,833.13	1,660.78	172.35	10.636		
15,800.00	9,055.21	16,925.93	10,358.05	113.22	112.38	-134.79	6,742.81	-1,543.96	1,832.45	1,657.61	174.84	10.481		
15,900.00	9,055.37	17,025.93	10,357.89	114.84	113.99	-134.80	6,842.81	-1,543.96	1,831.76	1,654.44	177.32	10.330		
16,000.00	9,055.53	17,125.93	10,357.73	116.46	115.60	-134.80	6,942.81	-1,543.96	1,831.08	1,651.27	179.81	10.184		
16,100.00	9,055.69	17,225.92	10,357.58	118.07	117.20	-134.81	7,042.80	-1,543.96	1,830.39	1,648.10	182.29	10.041		
16,200.00	9,055.85	17,325.92	10,357.42	119.69	118.81	-134.82	7,142.80	-1,543.96	1,829.71	1,644.93	184.78	9.902		
16,300.00	9,056.01	17,425.92	10,357.26	121.31	120.42	-134.83	7,242.80	-1,543.96	1,829.03	1,641.76	187.27	9.767		
16,400.00	9,056.17	17,525.91	10,357.11	122.93	122.03	-134.83	7,342.79	-1,543.96	1,828.34	1,638.58	189.76	9.635		
16,500.00	9,056.33	17,625.91	10,356.95	124.55	123.64	-134.84	7,442.79	-1,543.96	1,827.66	1,635.41	192.25	9.507		
16,600.00	9,056.49	17,725.91	10,356.79	126.17	125.25	-134.85	7,542.79	-1,543.96	1,826.97	1,632.24	194.74	9.382		
16,700.00	9,056.64	17,825.91	10,356.63	127.79	126.86	-134.85	7,642.79	-1,543.96	1,826.29	1,629.06	197.23	9.260		
16,800.00	9,056.80	17,925.90	10,356.48	129.41	128.47	-134.86	7,742.78	-1,543.96	1,825.61	1,625.89	199.72	9.141		
16,900.00	9,056.96	18,025.90	10,356.32	131.03	130.09	-134.87	7,842.78	-1,543.96	1,824.92	1,622.71	202.21	9.025		
17,000.00	9,057.12	18,125.90	10,356.16	132.66	131.70	-134.88	7,942.78	-1,543.96	1,824.24	1,619.54	204.70	8.912		
17,100.00	9,057.28	18,225.90	10,356.01	134.28	133.31	-134.88	8,042.78	-1,543.96	1,823.56	1,616.36	207.19	8.801		
17,200.00	9,057.44	18,325.89	10,355.85	135.90	134.93	-134.89	8,142.77	-1,543.96	1,822.87	1,613.19	209.69	8.693		
17,300.00	9,057.60	18,425.89	10,355.69	137.52	136.54	-134.90	8,242.77	-1,543.96	1,822.19	1,610.01	212.18	8.588		
17,400.00	9,057.76	18,525.89	10,355.54	139.15	138.16	-134.91	8,342.77	-1,543.96	1,821.50	1,606.83	214.67	8.485		
17,500.00	9,057.92	18,625.89	10,355.38	140.77	139.77	-134.91	8,442.76	-1,543.96	1,820.82	1,603.66	217.17	8.384		
17,600.00	9,058.08	18,725.88	10,355.22	142.40	141.39	-134.92	8,542.76	-1,543.96	1,820.14	1,600.48	219.66	8.286		
17,700.00	9,058.24	18,825.88	10,355.06	144.02	143.01	-134.93	8,642.76	-1,543.96	1,819.45	1,597.30	222.15	8.190		
17,800.00	9,058.40	18,925.88	10,354.91	145.65	144.63	-134.94	8,742.76	-1,543.96	1,818.77	1,594.12	224.65	8.096		
17,900.00	9,058.55	19,025.88	10,354.75	147.27	146.24	-134.94	8,842.75	-1,543.96	1,818.09	1,590.95	227.14	8.004		
18,000.00	9,058.71	19,125.87	10,354.59	148.90	147.86	-134.95	8,942.75	-1,543.96	1,817.40	1,587.77	229.64	7.914		
18,100.00	9,058.87	19,225.87	10,354.44	150.52	149.48	-134.96	9,042.75	-1,543.96	1,816.72	1,584.59	232.13	7.826		
18,200.00	9,059.03	19,325.87	10,354.28	152.15	151.10	-134.97	9,142.75	-1,543.96	1,816.04	1,581.41	234.63	7.740		
18,300.00	9,059.19	19,425.87	10,354.12	153.78	152.72	-134.97	9,242.74	-1,543.96	1,815.35	1,578.23	237.12	7.656		
18,400.00	9,059.35	19,525.86	10,353.96	155.40	154.34	-134.98	9,342.74	-1,543.96	1,814.67	1,575.05	239.62	7.573		
18,500.00	9,059.51	19,625.86	10,353.81	157.03	155.96	-134.99	9,442.74	-1,543.96	1,813.99	1,571.88	242.11	7.492		
18,600.00	9,059.67	19,725.86	10,353.65	158.66	157.58	-135.00	9,542.73	-1,543.96	1,813.30	1,568.70	244.61	7.413		
18,700.00	9,059.83	19,825.85	10,353.49	160.29	159.20	-135.00	9,642.73	-1,543.96	1,812.62	1,565.52	247.10	7.336		
18,800.00	9,059.99	19,925.85	10,353.34	161.92	160.82	-135.01	9,742.73	-1,543.96	1,811.94	1,562.34	249.60	7.259		
18,808.61	9,060.00	19,934.46	10,353.32	162.06	160.96	-135.01	9,751.34	-1,543.96	1,811.88	1,562.07	249.81	7.253 SF		

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft	
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.00	0.00	0.00	0.00	0.00	0.00	-90.14	-3.00	-1,189.77	1,190.05							
100.00	100.00	74.50	74.50	0.09	0.06	-90.14	-3.00	-1,189.77	1,189.77	1,189.62	0.15	7,930.604				
200.00	200.00	174.50	174.50	0.31	0.25	-90.14	-3.00	-1,189.77	1,189.77	1,189.21	0.56	2,108.919				
300.00	300.00	274.50	274.50	0.54	0.48	-90.14	-3.00	-1,189.77	1,189.77	1,188.76	1.01	1,173.700				
400.00	400.00	374.50	374.50	0.76	0.70	-90.14	-3.00	-1,189.77	1,189.77	1,188.31	1.46	813.116				
500.00	500.00	474.50	474.50	0.99	0.93	-90.14	-3.00	-1,189.77	1,189.77	1,187.86	1.91	622.020				
600.00	600.00	574.50	574.50	1.21	1.15	-90.14	-3.00	-1,189.77	1,189.77	1,187.41	2.36	503.652				
700.00	700.00	674.50	674.50	1.43	1.38	-90.14	-3.00	-1,189.77	1,189.77	1,186.96	2.81	423.132				
800.00	800.00	774.50	774.50	1.66	1.60	-90.14	-3.00	-1,189.77	1,189.77	1,186.51	3.26	364.810				
900.00	900.00	874.50	874.50	1.88	1.83	-90.14	-3.00	-1,189.77	1,189.77	1,186.06	3.71	320.617				
1,000.00	1,000.00	974.50	974.50	2.11	2.05	-90.14	-3.00	-1,189.77	1,189.77	1,185.61	4.16	285.974				
1,100.00	1,100.00	1,074.50	1,074.50	2.33	2.28	-90.14	-3.00	-1,189.77	1,189.77	1,185.16	4.61	258.088				
1,200.00	1,200.00	1,174.50	1,174.50	2.56	2.50	-90.14	-3.00	-1,189.77	1,189.77	1,184.71	5.06	235.157				
1,300.00	1,300.00	1,274.50	1,274.50	2.78	2.73	-90.14	-3.00	-1,189.77	1,189.77	1,184.26	5.51	215.968				
1,400.00	1,400.00	1,374.50	1,374.50	3.01	2.95	-90.14	-3.00	-1,189.77	1,189.77	1,183.82	5.96	199.675				
1,500.00	1,500.00	1,474.50	1,474.50	3.23	3.18	-90.14	-3.00	-1,189.77	1,189.77	1,183.37	6.41	185.668				
1,600.00	1,600.00	1,574.50	1,574.50	3.46	3.40	-90.14	-3.00	-1,189.77	1,189.77	1,182.92	6.86	173.497				
1,700.00	1,700.00	1,674.50	1,674.50	3.68	3.62	-90.14	-3.00	-1,189.77	1,189.77	1,182.47	7.31	162.823				
1,800.00	1,800.00	1,774.50	1,774.50	3.91	3.85	-90.14	-3.00	-1,189.77	1,189.77	1,182.02	7.76	153.387				
1,900.00	1,900.00	1,874.50	1,874.50	4.13	4.07	-90.14	-3.00	-1,189.77	1,189.77	1,181.57	8.21	144.985				
2,000.00	2,000.00	1,974.50	1,974.50	4.36	4.30	-90.14	-3.00	-1,189.77	1,189.77	1,181.12	8.66	137.455				
2,100.00	2,100.00	2,074.50	2,074.50	4.58	4.52	-90.14	-3.00	-1,189.77	1,189.77	1,180.67	9.11	130.669				
2,200.00	2,200.00	2,174.50	2,174.50	4.81	4.75	-90.14	-3.00	-1,189.77	1,189.77	1,180.22	9.55	124.521				
2,300.00	2,300.00	2,274.50	2,274.50	5.03	4.97	-90.14	-3.00	-1,189.77	1,189.77	1,179.77	10.00	118.926				
2,400.00	2,400.00	2,374.50	2,374.50	5.26	5.20	-90.14	-3.00	-1,189.77	1,189.77	1,179.32	10.45	113.812				
2,500.00	2,500.00	2,474.50	2,474.50	5.48	5.42	-90.14	-3.00	-1,189.77	1,189.77	1,178.87	10.90	109.120				
2,600.00	2,599.99	2,589.62	2,589.62	5.68	5.66	51.50	-3.41	-1,189.20	1,188.76	1,177.42	11.34	104.835				
2,700.00	2,699.96	2,709.80	2,709.75	5.86	5.88	51.56	-5.23	-1,186.64	1,185.00	1,173.27	11.73	101.017				
2,800.00	2,799.86	2,829.70	2,829.52	6.04	6.11	51.66	-8.50	-1,182.05	1,178.46	1,166.34	12.12	97.199				
2,900.00	2,899.68	2,949.20	2,948.74	6.22	6.34	51.75	-13.21	-1,175.43	1,169.21	1,156.69	12.52	93.374				
3,000.00	2,999.48	3,055.00	3,054.17	6.41	6.55	51.76	-18.35	-1,168.21	1,158.41	1,145.50	12.91	89.752				
3,100.00	3,099.27	3,154.41	3,153.22	6.60	6.75	51.76	-23.26	-1,161.33	1,147.52	1,134.23	13.29	86.346				
3,200.00	3,199.06	3,253.81	3,252.26	6.80	6.96	51.77	-28.16	-1,154.45	1,136.63	1,122.95	13.68	83.086				
3,300.00	3,298.86	3,353.22	3,351.31	7.00	7.17	51.77	-33.06	-1,147.56	1,125.74	1,111.67	14.08	79.974				
3,400.00	3,398.65	3,452.63	3,450.35	7.20	7.38	51.78	-37.97	-1,140.68	1,114.85	1,100.37	14.48	77.003				
3,500.00	3,498.45	3,552.03	3,549.40	7.40	7.60	51.78	-42.87	-1,133.79	1,103.96	1,089.08	14.88	74.167				
3,600.00	3,598.24	3,651.44	3,648.44	7.61	7.82	51.79	-47.77	-1,126.91	1,093.08	1,077.78	15.30	71.461				
3,700.00	3,698.04	3,750.84	3,747.49	7.82	8.04	51.79	-52.67	-1,120.03	1,082.19	1,066.47	15.71	68.877				
3,800.00	3,797.83	3,850.25	3,846.54	8.04	8.27	51.80	-57.58	-1,113.14	1,071.30	1,055.17	16.13	66.410				
3,900.00	3,897.63	3,949.65	3,945.58	8.25	8.49	51.80	-62.48	-1,106.26	1,060.41	1,043.85	16.55	64.054				
4,000.00	3,997.42	4,049.06	4,044.63	8.47	8.72	51.81	-67.38	-1,099.38	1,049.52	1,032.54	16.98	61.803				
4,100.00	4,097.21	4,148.46	4,143.67	8.69	8.96	51.82	-72.29	-1,092.49	1,038.63	1,021.22	17.41	59.652				
4,200.00	4,197.01	4,247.87	4,242.72	8.91	9.19	51.82	-77.19	-1,085.61	1,027.74	1,009.90	17.84	57.595				
4,300.00	4,296.80	4,347.27	4,341.76	9.13	9.42	51.83	-82.09	-1,078.72	1,016.85	998.57	18.28	55.627				
4,400.00	4,396.60	4,446.68	4,440.81	9.35	9.66	51.84	-87.00	-1,071.84	1,005.97	987.25	18.72	53.743				
4,500.00	4,496.39	4,546.08	4,539.85	9.58	9.90	51.84	-91.90	-1,064.96	995.08	975.92	19.16	51.940				
4,600.00	4,596.19	4,645.49	4,638.90	9.80	10.14	51.85	-96.80	-1,058.07	984.19	964.59	19.60	50.211				
4,700.00	4,695.98	4,744.90	4,737.94	10.03	10.38	51.86	-101.70	-1,051.19	973.30	953.25	20.05	48.554				
4,800.00	4,795.78	4,844.30	4,836.99	10.26	10.62	51.86	-106.61	-1,044.30	962.41	941.92	20.49	46.965				
4,900.00	4,895.57	4,943.71	4,936.03	10.49	10.86	51.87	-111.51	-1,037.42	951.52	930.58	20.94	45.439				
5,000.00	4,995.36	5,043.11	5,035.08	10.72	11.10	51.88	-116.41	-1,030.54	940.63	919.24	21.39	43.974				
5,100.00	5,095.16	5,142.52	5,134.13	10.95	11.35	51.88	-121.32	-1,023.65	929.75	907.90	21.84	42.567				

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance		Minimum		Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,200.00	5,194.95	5,241.92	5,233.17	11.18	11.59	51.89	-126.22	-1,016.77	918.86	896.56	22.30	41.213			
5,300.00	5,294.75	5,341.33	5,332.22	11.41	11.84	51.90	-131.12	-1,009.89	907.97	885.22	22.75	39.911			
5,400.00	5,394.54	5,440.73	5,431.26	11.65	12.09	51.91	-136.03	-1,003.00	897.08	873.88	23.21	38.658			
5,500.00	5,494.34	5,540.14	5,530.31	11.88	12.33	51.92	-140.93	-996.12	886.19	862.53	23.66	37.451			
5,600.00	5,594.13	5,639.54	5,629.35	12.11	12.58	51.92	-145.83	-989.23	875.30	851.18	24.12	36.288			
5,700.00	5,693.93	5,738.95	5,728.40	12.35	12.83	51.93	-150.73	-982.35	864.42	839.84	24.58	35.167			
5,800.00	5,793.72	5,838.35	5,827.44	12.58	13.08	51.94	-155.64	-975.47	853.53	828.49	25.04	34.086			
5,900.00	5,893.51	5,937.76	5,926.49	12.82	13.33	51.95	-160.54	-968.58	842.64	817.14	25.50	33.042			
6,000.00	5,993.31	6,037.16	6,025.53	13.06	13.58	51.96	-165.44	-961.70	831.75	805.79	25.96	32.034			
6,100.00	6,093.10	6,136.57	6,124.58	13.30	13.83	51.97	-170.35	-954.82	820.86	794.43	26.43	31.061			
6,200.00	6,192.90	6,235.98	6,223.63	13.53	14.08	51.98	-175.25	-947.93	809.97	783.08	26.89	30.120			
6,300.00	6,292.69	6,335.38	6,322.67	13.77	14.33	51.99	-180.15	-941.05	799.09	771.73	27.36	29.210			
6,400.00	6,392.49	6,434.79	6,421.72	14.01	14.59	52.00	-185.06	-934.16	788.20	760.38	27.82	28.330			
6,500.00	6,492.28	6,534.19	6,520.76	14.25	14.84	52.01	-189.96	-927.28	777.31	749.02	28.29	27.478			
6,600.00	6,592.08	6,633.60	6,619.81	14.49	15.09	52.02	-194.86	-920.40	766.42	737.67	28.76	26.653			
6,700.00	6,691.87	6,733.00	6,718.85	14.73	15.35	52.03	-199.76	-913.51	755.53	726.31	29.22	25.854			
6,800.00	6,791.66	6,832.41	6,817.90	14.97	15.60	52.04	-204.67	-906.63	744.64	714.95	29.69	25.080			
6,900.00	6,891.46	6,931.81	6,916.94	15.21	15.86	52.06	-209.57	-899.75	733.76	703.60	30.16	24.329			
7,000.00	6,991.25	7,031.22	7,015.99	15.45	16.11	52.07	-214.47	-892.86	722.87	692.24	30.63	23.601			
7,100.00	7,091.05	7,130.62	7,115.03	15.69	16.36	52.08	-219.38	-885.98	711.98	680.88	31.10	22.894			
7,200.00	7,190.84	7,230.03	7,214.08	15.93	16.62	52.09	-224.28	-879.09	701.09	669.52	31.57	22.208			
7,300.00	7,290.64	7,329.43	7,313.13	16.17	16.88	52.11	-229.18	-872.21	690.20	658.16	32.04	21.541			
7,400.00	7,390.43	7,428.84	7,412.17	16.42	17.13	52.12	-234.09	-865.33	679.32	646.80	32.51	20.894			
7,500.00	7,490.23	7,528.25	7,511.22	16.65	17.39	52.11	-238.99	-858.44	668.46	635.48	32.98	20.269			
7,600.00	7,590.10	7,622.63	7,605.28	16.85	17.61	51.98	-243.49	-852.12	658.59	625.19	33.40	19.718			
7,700.00	7,690.04	7,713.82	7,696.26	17.05	17.80	51.82	-247.07	-847.09	650.98	617.19	33.79	19.265			
7,800.00	7,790.02	7,805.23	7,787.55	17.24	17.98	51.64	-249.82	-843.24	645.75	611.58	34.17	18.896			
7,900.00	7,890.02	7,900.00	7,882.26	17.43	18.16	-90.16	-251.77	-840.50	642.75	608.19	34.56	18.598			
8,000.00	7,990.02	7,988.43	7,970.67	17.63	18.32	-90.25	-252.77	-839.09	641.13	606.20	34.93	18.357			
8,100.00	8,090.02	8,082.29	8,064.52	17.82	18.50	-90.27	-253.00	-838.77	640.78	605.47	35.30	18.151			
8,200.00	8,190.02	8,182.29	8,164.52	18.01	18.69	-90.27	-253.00	-838.77	640.78	605.08	35.69	17.951			
8,300.00	8,290.02	8,282.29	8,264.52	18.21	18.88	-90.27	-253.00	-838.77	640.78	604.69	36.09	17.756			
8,300.96	8,290.99	8,283.25	8,265.49	18.21	18.88	-90.27	-253.00	-838.77	640.78	604.68	36.09	17.754 CC			
8,400.00	8,390.02	8,381.76	8,363.81	18.40	19.06	-89.86	-248.49	-838.80	640.80	604.34	36.46	17.573			
8,500.00	8,490.02	8,477.11	8,456.98	18.60	19.19	-87.73	-228.75	-838.93	641.31	604.53	36.78	17.437			
8,600.00	8,589.19	8,567.79	8,541.40	18.76	19.28	-85.56	-195.89	-839.14	642.82	605.81	37.01	17.368			
8,700.00	8,684.80	8,655.44	8,617.09	18.89	19.34	-83.53	-151.87	-839.42	645.08	607.92	37.16	17.359			
8,800.00	8,773.95	8,740.60	8,683.38	18.99	19.38	-81.70	-98.54	-839.76	647.81	610.56	37.25	17.389			
8,900.00	8,853.92	8,823.76	8,739.79	19.06	19.41	-80.10	-37.54	-840.15	650.72	613.39	37.33	17.430			
9,000.00	8,922.29	8,905.35	8,785.99	19.12	19.42	-78.76	29.62	-840.59	653.52	616.07	37.45	17.449			
9,100.00	8,976.98	8,965.74	8,821.74	19.20	19.42	-77.71	101.56	-841.05	655.94	618.26	37.68	17.407			
9,200.00	9,016.33	9,065.29	8,846.87	19.44	19.51	-76.96	176.96	-841.53	657.77	619.69	38.07	17.276			
9,300.00	9,039.14	9,144.30	8,861.26	19.83	19.84	-76.54	254.59	-842.03	658.84	620.17	38.67	17.038			
9,400.00	9,045.03	9,226.36	8,864.97	20.33	20.27	-76.44	336.50	-842.56	659.11	619.61	39.50	16.686			
9,500.00	9,045.19	9,326.36	8,864.76	20.93	20.89	-76.41	436.50	-843.20	659.19	618.54	40.64	16.220			
9,600.00	9,045.35	9,426.36	8,864.56	21.64	21.60	-76.38	536.50	-843.84	659.26	617.27	41.99	15.701			
9,700.00	9,045.50	9,526.36	8,864.36	22.45	22.40	-76.35	636.49	-844.48	659.34	615.81	43.53	15.146			
9,800.00	9,045.66	9,626.36	8,864.16	23.34	23.29	-76.32	736.49	-845.12	659.42	614.17	45.25	14.573			
9,900.00	9,045.82	9,726.35	8,863.96	24.31	24.25	-76.28	836.49	-845.77	659.50	612.37	47.12	13.996			
10,000.00	9,045.98	9,826.35	8,863.75	25.34	25.28	-76.25	936.48	-846.41	659.57	610.44	49.13	13.425			
10,100.00	9,046.14	9,926.35	8,863.55	26.44	26.37	-76.22	1,036.48	-847.05	659.65	608.39	51.26	12.868			
10,200.00	9,046.30	10,026.35	8,863.35	27.59	27.52	-76.19	1,136.48	-847.69	659.73	606.23	53.50	12.332			

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well: Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	9,046.46	10,126.35	8,863.15	28.79	28.71	-76.16	1,236.47	-848.34	659.81	603.98	55.83	11.819		
10,400.00	9,046.62	10,226.35	8,862.95	30.03	29.94	-76.13	1,336.47	-848.98	659.89	601.65	58.24	11.331		
10,500.00	9,046.78	10,326.35	8,862.75	31.30	31.21	-76.10	1,436.47	-849.62	659.97	599.24	60.72	10.868		
10,600.00	9,046.94	10,426.35	8,862.54	32.61	32.52	-76.07	1,536.47	-850.26	660.05	596.77	63.27	10.432		
10,700.00	9,047.10	10,526.35	8,862.34	33.95	33.85	-76.04	1,636.46	-850.90	660.13	594.25	65.88	10.021		
10,800.00	9,047.26	10,626.35	8,862.14	35.31	35.21	-76.01	1,736.46	-851.55	660.21	591.68	68.53	9.634		
10,900.00	9,047.41	10,726.35	8,861.94	36.69	36.59	-75.98	1,836.46	-852.19	660.29	589.06	71.23	9.270		
11,000.00	9,047.57	10,826.35	8,861.74	38.10	37.99	-75.95	1,936.45	-852.83	660.37	586.40	73.96	8.928		
11,100.00	9,047.73	10,926.35	8,861.53	39.52	39.41	-75.92	2,036.45	-853.47	660.45	583.71	76.74	8.607		
11,200.00	9,047.89	11,026.35	8,861.33	40.96	40.84	-75.89	2,136.45	-854.12	660.53	580.99	79.54	8.305		
11,300.00	9,048.05	11,126.35	8,861.13	42.42	42.29	-75.86	2,236.45	-854.76	660.61	578.24	82.37	8.020		
11,400.00	9,048.21	11,226.35	8,860.93	43.88	43.76	-75.83	2,336.44	-855.40	660.69	575.46	85.22	7.752		
11,500.00	9,048.37	11,326.34	8,860.73	45.36	45.23	-75.80	2,436.44	-856.04	660.77	572.67	88.10	7.500		
11,600.00	9,048.53	11,426.34	8,860.52	46.85	46.72	-75.76	2,536.44	-856.68	660.85	569.85	91.00	7.262		
11,700.00	9,048.69	11,526.34	8,860.32	48.35	48.22	-75.73	2,636.43	-857.33	660.93	567.01	93.92	7.037		
11,800.00	9,048.85	11,626.34	8,860.12	49.86	49.72	-75.70	2,736.43	-857.97	661.01	564.16	96.85	6.825		
11,900.00	9,049.01	11,726.34	8,859.92	51.37	51.24	-75.67	2,836.43	-858.61	661.09	561.30	99.80	6.624		
12,000.00	9,049.16	11,826.34	8,859.72	52.90	52.76	-75.64	2,936.43	-859.25	661.18	558.42	102.76	6.434		
12,100.00	9,049.32	11,926.34	8,859.52	54.43	54.29	-75.61	3,036.42	-859.90	661.26	555.52	105.73	6.254		
12,200.00	9,049.48	12,026.34	8,859.31	55.96	55.82	-75.58	3,136.42	-860.54	661.34	552.62	108.72	6.083		
12,300.00	9,049.64	12,126.34	8,859.11	57.51	57.36	-75.55	3,236.42	-861.18	661.42	549.71	111.71	5.921		
12,400.00	9,049.80	12,226.34	8,858.91	59.05	58.91	-75.52	3,336.41	-861.82	661.50	546.78	114.72	5.766		
12,500.00	9,049.96	12,326.34	8,858.71	60.61	60.46	-75.49	3,436.41	-862.46	661.59	543.85	117.73	5.619		
12,600.00	9,050.12	12,426.34	8,858.51	62.16	62.01	-75.46	3,536.41	-863.11	661.67	540.91	120.76	5.479		
12,700.00	9,050.28	12,526.34	8,858.30	63.72	63.57	-75.43	3,636.40	-863.75	661.75	537.97	123.79	5.346		
12,800.00	9,050.44	12,626.34	8,858.10	65.29	65.13	-75.40	3,736.40	-864.39	661.84	535.01	126.82	5.219		
12,900.00	9,050.60	12,726.34	8,857.90	66.86	66.70	-75.37	3,836.40	-865.03	661.92	532.06	129.87	5.097		
13,000.00	9,050.76	12,826.33	8,857.70	68.43	68.27	-75.34	3,936.40	-865.68	662.00	529.09	132.91	4.981		
13,100.00	9,050.92	12,926.33	8,857.50	70.00	69.84	-75.31	4,036.39	-866.32	662.09	526.12	135.97	4.869		
13,200.00	9,051.07	13,026.33	8,857.29	71.58	71.42	-75.28	4,136.39	-866.96	662.17	523.15	139.03	4.763		
13,300.00	9,051.23	13,126.33	8,857.09	73.16	73.00	-75.25	4,236.39	-867.60	662.26	520.17	142.09	4.661		
13,400.00	9,051.39	13,226.33	8,856.89	74.74	74.58	-75.22	4,336.38	-868.24	662.34	517.18	145.16	4.563		
13,500.00	9,051.55	13,326.33	8,856.69	76.33	76.17	-75.19	4,436.38	-868.89	662.43	514.20	148.23	4.469		
13,600.00	9,051.71	13,426.33	8,856.49	77.92	77.75	-75.16	4,536.38	-869.53	662.51	511.21	151.30	4.379		
13,700.00	9,051.87	13,526.33	8,856.29	79.51	79.34	-75.13	4,636.38	-870.17	662.60	508.21	154.38	4.292		
13,800.00	9,052.03	13,626.33	8,856.08	81.10	80.93	-75.10	4,736.37	-870.81	662.68	505.22	157.46	4.208		
13,900.00	9,052.19	13,726.33	8,855.88	82.69	82.53	-75.07	4,836.37	-871.45	662.77	502.22	160.55	4.128		
14,000.00	9,052.35	13,826.33	8,855.68	84.29	84.12	-75.03	4,936.37	-872.10	662.85	499.22	163.64	4.051		
14,100.00	9,052.51	13,926.33	8,855.48	85.89	85.72	-75.00	5,036.36	-872.74	662.94	496.21	166.73	3.976		
14,200.00	9,052.67	14,026.33	8,855.28	87.48	87.31	-74.97	5,136.36	-873.38	663.02	493.21	169.82	3.904		
14,300.00	9,052.83	14,126.33	8,855.07	89.08	88.91	-74.94	5,236.36	-874.02	663.11	490.20	172.91	3.835		
14,400.00	9,052.98	14,226.33	8,854.87	90.69	90.51	-74.91	5,336.36	-874.67	663.20	487.19	176.01	3.768		
14,500.00	9,053.14	14,326.32	8,854.67	92.29	92.12	-74.88	5,436.35	-875.31	663.28	484.18	179.11	3.703		
14,600.00	9,053.30	14,426.32	8,854.47	93.89	93.72	-74.85	5,536.35	-875.95	663.37	481.16	182.21	3.641		
14,700.00	9,053.46	14,526.32	8,854.27	95.50	95.32	-74.82	5,636.35	-876.59	663.46	478.15	185.31	3.580		
14,800.00	9,053.62	14,626.32	8,854.06	97.10	96.93	-74.79	5,736.34	-877.23	663.54	475.13	188.41	3.522		
14,900.00	9,053.78	14,726.32	8,853.86	98.71	98.54	-74.76	5,836.34	-877.88	663.63	472.12	191.51	3.465		
15,000.00	9,053.94	14,826.32	8,853.66	100.32	100.15	-74.73	5,936.34	-878.52	663.72	469.10	194.62	3.410		
15,100.00	9,054.10	14,926.32	8,853.46	101.93	101.75	-74.70	6,036.33	-879.16	663.81	466.08	197.73	3.357		
15,200.00	9,054.26	15,026.32	8,853.26	103.54	103.36	-74.67	6,136.33	-879.80	663.89	463.06	200.83	3.306		
15,300.00	9,054.42	15,126.32	8,853.06	105.15	104.98	-74.64	6,236.33	-880.45	663.98	460.04	203.94	3.256		
15,400.00	9,054.58	15,226.32	8,852.85	106.77	106.59	-74.61	6,336.33	-881.09	664.07	457.02	207.05	3.207		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design										Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 511H - OH - Plan #1		Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM										Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	9,054.73	15,326.32	8,852.65	108.38	108.20	-74.58	6,436.32	-881.73	664.16	453.99	210.16	3.160	
15,600.00	9,054.89	15,426.32	8,852.45	109.99	109.81	-74.55	6,536.32	-882.37	664.25	450.97	213.27	3.115	
15,700.00	9,055.05	15,526.32	8,852.25	111.61	111.43	-74.52	6,636.32	-883.01	664.33	447.95	216.39	3.070	
15,800.00	9,055.21	15,626.32	8,852.05	113.22	113.04	-74.49	6,736.31	-883.66	664.42	444.93	219.50	3.027	
15,900.00	9,055.37	15,726.32	8,851.84	114.84	114.66	-74.46	6,836.31	-884.30	664.51	441.90	222.61	2.985	
16,000.00	9,055.53	15,826.32	8,851.64	116.46	116.27	-74.43	6,936.31	-884.94	664.60	438.88	225.72	2.944	
16,100.00	9,055.69	15,926.31	8,851.44	118.07	117.89	-74.40	7,036.31	-885.58	664.69	435.85	228.84	2.905	
16,200.00	9,055.85	16,026.31	8,851.24	119.69	119.51	-74.37	7,136.30	-886.23	664.78	432.83	231.95	2.866	
16,300.00	9,056.01	16,126.31	8,851.04	121.31	121.13	-74.34	7,236.30	-886.87	664.87	429.80	235.07	2.828	
16,400.00	9,056.17	16,226.31	8,850.83	122.93	122.75	-74.31	7,336.30	-887.51	664.96	426.78	238.18	2.792	
16,500.00	9,056.33	16,326.31	8,850.63	124.55	124.37	-74.28	7,436.29	-888.15	665.05	423.75	241.30	2.756	
16,600.00	9,056.49	16,426.31	8,850.43	126.17	125.99	-74.25	7,536.29	-888.79	665.14	420.73	244.41	2.721	
16,700.00	9,056.64	16,526.31	8,850.23	127.79	127.61	-74.22	7,636.29	-889.44	665.23	417.70	247.53	2.687	
16,800.00	9,056.80	16,626.31	8,850.03	129.41	129.23	-74.19	7,736.29	-890.08	665.32	414.68	250.64	2.654	
16,900.00	9,056.96	16,726.31	8,849.83	131.03	130.85	-74.16	7,836.28	-890.72	665.41	411.65	253.76	2.622	
17,000.00	9,057.12	16,826.31	8,849.62	132.66	132.47	-74.13	7,936.28	-891.36	665.50	408.63	256.88	2.591	
17,100.00	9,057.28	16,926.31	8,849.42	134.28	134.09	-74.10	8,036.28	-892.01	665.60	405.60	259.99	2.560	
17,200.00	9,057.44	17,026.31	8,849.22	135.90	135.72	-74.07	8,136.27	-892.65	665.69	402.58	263.11	2.530	
17,300.00	9,057.60	17,126.31	8,849.02	137.52	137.34	-74.04	8,236.27	-893.29	665.78	399.55	266.22	2.501	
17,400.00	9,057.76	17,226.31	8,848.82	139.15	138.96	-74.01	8,336.27	-893.93	665.87	396.53	269.34	2.472	
17,500.00	9,057.92	17,326.31	8,848.61	140.77	140.59	-73.98	8,436.26	-894.57	665.96	393.51	272.46	2.444	
17,600.00	9,058.08	17,426.30	8,848.41	142.40	142.21	-73.95	8,536.26	-895.22	666.06	390.48	275.57	2.417	
17,700.00	9,058.24	17,526.30	8,848.21	144.02	143.83	-73.92	8,636.26	-895.86	666.15	387.46	278.69	2.390	
17,800.00	9,058.40	17,626.30	8,848.01	145.65	145.46	-73.89	8,736.26	-896.50	666.24	384.44	281.80	2.364	
17,900.00	9,058.55	17,726.30	8,847.81	147.27	147.08	-73.86	8,836.25	-897.14	666.33	381.42	284.92	2.339	
18,000.00	9,058.71	17,826.30	8,847.60	148.90	148.71	-73.83	8,936.25	-897.78	666.43	378.39	288.03	2.314	
18,100.00	9,058.87	17,926.30	8,847.40	150.52	150.34	-73.80	9,036.25	-898.43	666.52	375.37	291.15	2.289	
18,200.00	9,059.03	18,026.30	8,847.20	152.15	151.96	-73.77	9,136.24	-899.07	666.61	372.35	294.26	2.265	
18,300.00	9,059.19	18,126.30	8,847.00	153.78	153.59	-73.74	9,236.24	-899.71	666.71	369.33	297.38	2.242	
18,400.00	9,059.35	18,226.30	8,846.80	155.40	155.22	-73.71	9,336.24	-900.35	666.80	366.31	300.49	2.219	
18,500.00	9,059.51	18,326.30	8,846.60	157.03	156.84	-73.68	9,436.24	-901.00	666.89	363.29	303.60	2.197	
18,600.00	9,059.67	18,426.30	8,846.39	158.66	158.47	-73.65	9,536.23	-901.64	666.99	360.27	306.72	2.175	
18,700.00	9,059.83	18,526.30	8,846.19	160.29	160.10	-73.62	9,636.23	-902.28	667.08	357.25	309.83	2.153	
18,800.00	9,059.99	18,626.30	8,845.99	161.92	161.72	-73.59	9,736.23	-902.92	667.18	354.23	312.94	2.132	
18,808.61	9,060.00	18,634.91	8,845.97	162.06	161.86	-73.59	9,744.84	-902.98	667.18	353.97	313.21	2.130 ES, SF	

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft	
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.00	0.00	0.90	0.90	0.00	0.00	89.81	0.10	29.95	29.95							
100.00	100.00	100.90	100.90	0.09	0.09	89.81	0.10	29.95	29.95	29.78	0.17	172.158				
200.00	200.00	200.90	200.90	0.31	0.31	89.81	0.10	29.95	29.95	29.33	0.62	48.035				
300.00	300.00	300.90	300.90	0.54	0.54	89.81	0.10	29.95	29.95	28.88	1.07	27.912				
400.00	400.00	400.90	400.90	0.76	0.76	89.81	0.10	29.95	29.95	28.43	1.52	19.671				
500.00	500.00	500.90	500.90	0.99	0.99	89.81	0.10	29.95	29.95	27.98	1.97	15.187				
600.00	600.00	600.90	600.90	1.21	1.21	89.81	0.10	29.95	29.95	27.53	2.42	12.368				
700.00	700.00	700.90	700.90	1.43	1.44	89.81	0.10	29.95	29.95	27.08	2.87	10.431				
800.00	800.00	800.90	800.90	1.66	1.66	89.81	0.10	29.95	29.95	26.63	3.32	9.019				
900.00	900.00	900.90	900.90	1.88	1.89	89.81	0.10	29.95	29.95	26.18	3.77	7.944				
1,000.00	1,000.00	1,000.90	1,000.90	2.11	2.11	89.81	0.10	29.95	29.95	25.73	4.22	7.098				
1,100.00	1,100.00	1,100.90	1,100.90	2.33	2.34	89.81	0.10	29.95	29.95	25.28	4.67	6.414				
1,200.00	1,200.00	1,200.90	1,200.90	2.56	2.56	89.81	0.10	29.95	29.95	24.83	5.12	5.851				
1,300.00	1,300.00	1,300.90	1,300.90	2.78	2.79	89.81	0.10	29.95	29.95	24.38	5.57	5.379				
1,400.00	1,400.00	1,400.90	1,400.90	3.01	3.01	89.81	0.10	29.95	29.95	23.93	6.02	4.977				
1,500.00	1,500.00	1,500.90	1,500.90	3.23	3.23	89.81	0.10	29.95	29.95	23.48	6.47	4.631				
1,600.00	1,600.00	1,600.90	1,600.90	3.46	3.46	89.81	0.10	29.95	29.95	23.03	6.92	4.330				
1,700.00	1,700.00	1,700.90	1,700.90	3.68	3.68	89.81	0.10	29.95	29.95	22.58	7.37	4.066				
1,800.00	1,800.00	1,800.90	1,800.90	3.91	3.91	89.81	0.10	29.95	29.95	22.13	7.82	3.832				
1,900.00	1,900.00	1,900.90	1,900.90	4.13	4.13	89.81	0.10	29.95	29.95	21.68	8.27	3.623				
2,000.00	2,000.00	2,000.90	2,000.90	4.36	4.36	89.81	0.10	29.95	29.95	21.24	8.72	3.437				
2,100.00	2,100.00	2,100.90	2,100.90	4.58	4.58	89.81	0.10	29.95	29.95	20.79	9.16	3.268				
2,200.00	2,200.00	2,200.90	2,200.90	4.81	4.81	89.81	0.10	29.95	29.95	20.34	9.61	3.115				
2,300.00	2,300.00	2,300.90	2,300.90	5.03	5.03	89.81	0.10	29.95	29.95	19.89	10.06	2.976				
2,400.00	2,400.00	2,400.90	2,400.90	5.26	5.26	89.81	0.10	29.95	29.95	19.44	10.51	2.849				
2,416.36	2,416.36	2,417.26	2,417.26	5.29	5.29	89.81	0.10	29.95	29.95	19.36	10.59	2.829 CC				
2,500.00	2,500.00	2,500.90	2,500.90	5.48	5.48	89.81	0.10	29.95	29.95	18.99	10.96	2.732 ES				
2,600.00	2,599.99	2,600.44	2,600.43	5.68	5.68	-128.95	-0.37	30.70	31.24	19.88	11.36	2.750				
2,700.00	2,699.96	2,700.00	2,699.96	5.86	5.87	-129.94	-1.75	32.91	35.10	23.39	11.72	2.996				
2,800.00	2,799.86	2,799.12	2,798.98	6.04	6.05	-131.18	-4.03	36.57	41.54	29.47	12.07	3.441				
2,900.00	2,899.68	2,898.07	2,897.75	6.22	6.24	-132.33	-7.21	41.68	50.50	38.07	12.43	4.061				
3,000.00	2,999.48	2,996.73	2,996.10	6.41	6.44	-132.47	-11.28	48.21	61.12	48.32	12.80	4.775				
3,100.00	3,099.27	3,095.64	3,094.59	6.60	6.64	-131.89	-16.12	55.97	72.91	59.73	13.18	5.534				
3,200.00	3,199.06	3,194.92	3,193.43	6.80	6.85	-131.41	-21.07	63.90	84.84	71.27	13.56	6.255				
3,300.00	3,298.86	3,294.20	3,292.28	7.00	7.06	-131.05	-26.01	71.83	96.77	82.81	13.96	6.932				
3,400.00	3,398.65	3,393.49	3,391.12	7.20	7.27	-130.77	-30.95	79.76	108.71	94.35	14.36	7.570				
3,500.00	3,498.45	3,492.77	3,489.96	7.40	7.49	-130.54	-35.90	87.69	120.64	105.88	14.77	8.170				
3,600.00	3,598.24	3,592.06	3,588.81	7.61	7.72	-130.36	-40.84	95.62	132.58	117.41	15.18	8.736				
3,700.00	3,698.04	3,691.34	3,687.65	7.82	7.94	-130.20	-45.78	103.55	144.52	128.93	15.59	9.269				
3,800.00	3,797.83	3,790.62	3,786.49	8.04	8.17	-130.07	-50.73	111.48	156.47	140.45	16.01	9.772				
3,900.00	3,897.63	3,889.91	3,885.34	8.25	8.40	-129.96	-55.67	119.40	168.41	151.97	16.44	10.246				
4,000.00	3,997.42	3,989.19	3,984.18	8.47	8.63	-129.86	-60.61	127.33	180.35	163.49	16.86	10.695				
4,100.00	4,097.21	4,088.48	4,083.02	8.69	8.87	-129.77	-65.56	135.26	192.29	175.00	17.29	11.120				
4,200.00	4,197.01	4,187.76	4,181.87	8.91	9.11	-129.70	-70.50	143.19	204.24	186.51	17.73	11.522				
4,300.00	4,296.80	4,287.04	4,280.71	9.13	9.35	-129.63	-75.44	151.12	216.18	198.02	18.16	11.903				
4,400.00	4,396.60	4,386.33	4,379.55	9.35	9.59	-129.57	-80.39	159.05	228.12	209.52	18.60	12.264				
4,500.00	4,496.39	4,485.61	4,478.40	9.58	9.83	-129.52	-85.33	166.98	240.07	221.03	19.04	12.607				
4,600.00	4,596.19	4,584.90	4,577.24	9.80	10.07	-129.47	-90.27	174.91	252.01	232.53	19.49	12.934				
4,700.00	4,695.98	4,684.18	4,676.08	10.03	10.32	-129.42	-95.22	182.84	263.96	244.03	19.93	13.244				
4,800.00	4,795.78	4,783.46	4,774.93	10.26	10.57	-129.38	-100.16	190.77	275.90	255.52	20.38	13.539				
4,900.00	4,895.57	4,882.75	4,873.77	10.49	10.81	-129.34	-105.10	198.70	287.85	267.02	20.83	13.821				
5,000.00	4,995.36	4,982.03	4,972.61	10.72	11.06	-129.31	-110.05	206.63	299.79	278.51	21.28	14.089				

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference														
Offset														
Semi Major Axis														
Distance														
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,100.00	5,095.16	5,081.31	5,071.46	10.95	11.31	-129.28	-114.99	214.55	311.74	290.01	21.73	14.346		
5,200.00	5,194.95	5,180.60	5,170.30	11.18	11.57	-129.25	-119.93	222.48	323.68	301.50	22.18	14.590		
5,300.00	5,294.75	5,279.88	5,269.14	11.41	11.82	-129.22	-124.88	230.41	335.63	312.99	22.64	14.824		
5,400.00	5,394.54	5,379.17	5,367.98	11.65	12.07	-129.19	-129.82	238.34	347.57	324.48	23.10	15.048		
5,500.00	5,494.34	5,478.45	5,466.83	11.88	12.32	-129.17	-134.76	246.27	359.52	335.96	23.56	15.263		
5,600.00	5,594.13	5,577.73	5,565.67	12.11	12.58	-129.15	-139.71	254.20	371.46	347.45	24.01	15.468		
5,700.00	5,693.93	5,677.02	5,664.51	12.35	12.83	-129.13	-144.65	262.13	383.41	358.93	24.48	15.665		
5,800.00	5,793.72	5,776.30	5,763.36	12.58	13.09	-129.11	-149.59	270.06	395.36	370.42	24.94	15.854		
5,900.00	5,893.51	5,875.59	5,862.20	12.82	13.35	-129.09	-154.54	277.99	407.30	381.90	25.40	16.036		
6,000.00	5,993.31	5,974.87	5,961.04	13.06	13.60	-129.07	-159.48	285.92	419.25	393.38	25.86	16.210		
6,100.00	6,093.10	6,074.15	6,059.89	13.30	13.86	-129.06	-164.42	293.85	431.19	404.86	26.33	16.378		
6,200.00	6,192.90	6,173.44	6,158.73	13.53	14.12	-129.04	-169.37	301.77	443.14	416.34	26.79	16.540		
6,300.00	6,292.69	6,272.72	6,257.57	13.77	14.38	-129.03	-174.31	309.70	455.08	427.82	27.26	16.695		
6,400.00	6,392.49	6,372.00	6,356.42	14.01	14.64	-129.01	-179.25	317.63	467.03	439.30	27.73	16.845		
6,500.00	6,492.28	6,471.29	6,455.26	14.25	14.90	-129.00	-184.20	325.56	478.97	450.78	28.19	16.989		
6,600.00	6,592.08	6,570.57	6,554.10	14.49	15.16	-128.99	-189.14	333.49	490.92	462.26	28.66	17.128		
6,700.00	6,691.87	6,669.86	6,652.95	14.73	15.42	-128.97	-194.08	341.42	502.87	473.74	29.13	17.262		
6,800.00	6,791.66	6,769.14	6,751.79	14.97	15.68	-128.96	-199.03	349.35	514.81	485.21	29.60	17.392		
6,900.00	6,891.46	6,868.42	6,850.63	15.21	15.94	-128.95	-203.97	357.28	526.76	496.69	30.07	17.517		
7,000.00	6,991.25	6,967.71	6,949.48	15.45	16.20	-128.94	-208.91	365.21	538.70	508.16	30.54	17.638		
7,100.00	7,091.05	7,066.99	7,048.32	15.69	16.46	-128.93	-213.86	373.14	550.65	519.64	31.01	17.755		
7,200.00	7,190.84	7,166.28	7,147.16	15.93	16.73	-128.92	-218.80	381.07	562.60	531.11	31.49	17.868		
7,300.00	7,290.64	7,265.56	7,246.01	16.17	16.99	-128.91	-223.74	389.00	574.54	542.58	31.96	17.978		
7,400.00	7,390.43	7,364.84	7,344.85	16.42	17.25	-128.90	-228.69	396.92	586.49	554.06	32.43	18.084		
7,500.00	7,490.23	7,464.13	7,443.70	16.65	17.51	-128.91	-233.63	404.85	598.40	565.50	32.90	18.188		
7,600.00	7,590.10	7,567.72	7,546.84	16.85	17.78	-128.90	-238.69	412.96	609.40	576.05	33.35	18.274		
7,700.00	7,690.04	7,677.24	7,656.04	17.05	18.01	-128.82	-243.11	420.06	617.96	584.17	33.79	18.290		
7,800.00	7,790.02	7,787.12	7,765.73	17.24	18.23	-128.68	-246.44	425.41	623.82	589.62	34.21	18.237		
7,900.00	7,890.02	7,887.22	7,875.76	17.43	18.44	-128.68	-248.67	428.97	627.16	592.53	34.62	18.114		
8,000.00	7,990.02	8,007.45	7,985.96	17.63	18.64	-128.68	-249.77	430.74	628.76	593.73	35.02	17.952		
8,100.00	8,090.02	8,112.41	8,090.92	17.82	18.83	-128.68	-249.90	430.95	628.95	593.53	35.42	17.756		
8,200.00	8,190.02	8,212.41	8,190.92	18.01	19.02	-128.68	-249.90	430.95	628.95	593.14	35.81	17.561		
8,300.00	8,290.02	8,312.41	8,290.92	18.21	19.21	-128.68	-249.90	430.95	628.95	592.74	36.21	17.370		
8,388.20	8,378.22	8,400.76	8,379.12	18.38	19.37	-128.68	-245.96	430.92	628.94	592.39	36.55	17.208		
8,400.00	8,390.02	8,412.45	8,390.72	18.40	19.39	-128.68	-244.47	430.92	628.94	592.35	36.59	17.188		
8,500.00	8,490.02	8,508.12	8,483.94	18.60	19.52	-128.68	-223.50	430.78	629.37	592.43	36.94	17.037		
8,600.00	8,589.19	8,600.00	8,569.01	18.76	19.61	-128.68	-189.04	430.56	630.89	593.68	37.21	16.955		
8,700.00	8,684.80	8,686.37	8,643.00	18.89	19.66	-128.68	-144.65	430.27	633.27	595.89	37.38	16.943		
8,800.00	8,773.95	8,771.28	8,708.43	18.99	19.70	-128.68	-90.65	429.93	636.23	598.75	37.48	16.976		
8,900.00	8,853.92	8,850.00	8,761.36	19.06	19.72	-128.68	-32.47	429.55	639.45	601.92	37.53	17.037		
9,000.00	8,922.29	8,935.25	8,809.10	19.12	19.73	-128.68	38.07	429.10	642.56	604.89	37.67	17.057		
9,100.00	8,976.98	9,015.15	8,843.88	19.20	19.74	-128.68	109.92	428.64	645.32	607.42	37.90	17.029		
9,200.00	9,016.33	9,094.13	8,868.12	19.44	19.81	-128.68	185.02	428.16	647.46	609.17	38.29	16.908		
9,300.00	9,039.14	9,172.53	8,881.75	19.83	20.07	-128.68	262.16	427.66	648.81	609.91	38.90	16.679		
9,400.00	9,045.03	9,255.20	8,884.97	20.33	20.48	-128.68	344.72	427.13	649.25	609.50	39.75	16.332		
9,500.00	9,045.19	9,355.20	8,884.81	20.93	21.09	-128.68	444.72	426.49	649.34	608.43	40.91	15.872		
9,600.00	9,045.35	9,455.20	8,884.66	21.64	21.80	-128.68	544.72	425.85	649.42	607.15	42.27	15.364		
9,700.00	9,045.50	9,555.20	8,884.51	22.45	22.60	-128.68	644.71	425.21	649.51	605.69	43.82	14.822		
9,800.00	9,045.66	9,655.20	8,884.36	23.34	23.49	-128.68	744.71	424.56	649.59	604.05	45.54	14.264		
9,900.00	9,045.82	9,755.20	8,884.21	24.31	24.45	-128.68	844.71	423.92	649.68	602.26	47.42	13.702		
10,000.00	9,045.98	9,855.20	8,884.06	25.34	25.48	-128.68	944.71	423.28	649.76	600.34	49.43	13.146		
10,100.00	9,046.14	9,955.20	8,883.91	26.44	26.56	-128.68	1,044.70	422.64	649.85	598.29	51.56	12.605		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore:	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design										Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 512H - OH - Plan #1			Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM										Offset Well Error: 0.00 usft				
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,200.00	9,046.30	10,055.20	8,883.76	27.59	27.70	75.43	1,144.70	421.99	649.93	596.14	53.79	12.083		
10,300.00	9,046.46	10,155.20	8,883.60	28.79	28.89	75.41	1,244.70	421.35	650.02	593.90	56.12	11.583		
10,400.00	9,046.62	10,255.20	8,883.45	30.03	30.12	75.38	1,344.70	420.71	650.11	591.58	58.52	11.108		
10,500.00	9,046.78	10,355.20	8,883.30	31.30	31.39	75.36	1,444.69	420.07	650.19	589.19	61.00	10.658		
10,600.00	9,046.94	10,455.20	8,883.15	32.61	32.69	75.33	1,544.69	419.43	650.28	586.73	63.55	10.233		
10,700.00	9,047.10	10,555.20	8,883.00	33.95	34.01	75.30	1,644.69	418.78	650.37	584.22	66.15	9.832		
10,800.00	9,047.26	10,655.20	8,882.85	35.31	35.37	75.28	1,744.69	418.14	650.45	581.66	68.79	9.455		
10,900.00	9,047.41	10,755.20	8,882.70	36.69	36.75	75.25	1,844.68	417.50	650.54	579.05	71.48	9.100		
11,000.00	9,047.57	10,855.20	8,882.54	38.10	38.14	75.22	1,944.68	416.86	650.63	576.41	74.22	8.767		
11,100.00	9,047.73	10,955.20	8,882.39	39.52	39.56	75.20	2,044.68	416.22	650.71	573.73	76.98	8.453		
11,200.00	9,047.89	11,055.19	8,882.24	40.96	40.99	75.17	2,144.68	415.57	650.80	571.02	79.78	8.158		
11,300.00	9,048.05	11,155.19	8,882.09	42.42	42.44	75.15	2,244.67	414.93	650.89	568.29	82.60	7.880		
11,400.00	9,048.21	11,255.19	8,881.94	43.88	43.90	75.12	2,344.67	414.29	650.97	565.52	85.45	7.618		
11,500.00	9,048.37	11,355.19	8,881.79	45.36	45.37	75.09	2,444.67	413.65	651.06	562.74	88.32	7.372		
11,600.00	9,048.53	11,455.19	8,881.64	46.85	46.86	75.07	2,544.66	413.01	651.15	559.94	91.21	7.139		
11,700.00	9,048.69	11,555.19	8,881.48	48.35	48.35	75.04	2,644.66	412.36	651.24	557.11	94.12	6.919		
11,800.00	9,048.85	11,655.19	8,881.33	49.86	49.85	75.01	2,744.66	411.72	651.32	554.28	97.05	6.711		
11,900.00	9,049.01	11,755.19	8,881.18	51.37	51.36	74.99	2,844.66	411.08	651.41	551.42	99.99	6.515		
12,000.00	9,049.16	11,855.19	8,881.03	52.90	52.88	74.96	2,944.65	410.44	651.50	548.55	102.95	6.329		
12,100.00	9,049.32	11,955.19	8,880.88	54.43	54.41	74.94	3,044.65	409.79	651.59	545.67	105.91	6.152		
12,200.00	9,049.48	12,055.19	8,880.73	55.96	55.94	74.91	3,144.65	409.15	651.68	542.78	108.89	5.985		
12,300.00	9,049.64	12,155.19	8,880.58	57.51	57.48	74.88	3,244.65	408.51	651.77	539.88	111.88	5.825		
12,400.00	9,049.80	12,255.19	8,880.43	59.05	59.02	74.86	3,344.64	407.87	651.85	536.97	114.88	5.674		
12,500.00	9,049.96	12,355.19	8,880.27	60.61	60.57	74.83	3,444.64	407.23	651.94	534.05	117.89	5.530		
12,600.00	9,050.12	12,455.19	8,880.12	62.16	62.13	74.81	3,544.64	406.58	652.03	531.12	120.91	5.393		
12,700.00	9,050.28	12,555.19	8,879.97	63.72	63.68	74.78	3,644.64	405.94	652.12	528.19	123.93	5.262		
12,800.00	9,050.44	12,655.19	8,879.82	65.29	65.25	74.75	3,744.63	405.30	652.21	525.25	126.96	5.137		
12,900.00	9,050.60	12,755.19	8,879.67	66.86	66.81	74.73	3,844.63	404.66	652.30	522.30	130.00	5.018		
13,000.00	9,050.76	12,855.19	8,879.52	68.43	68.38	74.70	3,944.63	404.02	652.39	519.35	133.04	4.904		
13,100.00	9,050.92	12,955.19	8,879.37	70.00	69.95	74.67	4,044.62	403.37	652.48	516.39	136.09	4.794		
13,200.00	9,051.07	13,055.18	8,879.21	71.58	71.53	74.65	4,144.62	402.73	652.57	513.42	139.15	4.690		
13,300.00	9,051.23	13,155.18	8,879.06	73.16	73.10	74.62	4,244.62	402.09	652.66	510.45	142.20	4.590		
13,400.00	9,051.39	13,255.18	8,878.91	74.74	74.69	74.60	4,344.62	401.45	652.75	507.48	145.27	4.493		
13,500.00	9,051.55	13,355.18	8,878.76	76.33	76.27	74.57	4,444.61	400.80	652.84	504.51	148.33	4.401		
13,600.00	9,051.71	13,455.18	8,878.61	77.92	77.85	74.54	4,544.61	400.16	652.93	501.53	151.40	4.312		
13,700.00	9,051.87	13,555.18	8,878.46	79.51	79.44	74.52	4,644.61	399.52	653.02	498.54	154.48	4.227		
13,800.00	9,052.03	13,655.18	8,878.31	81.10	81.03	74.49	4,744.61	398.88	653.11	495.56	157.55	4.145		
13,900.00	9,052.19	13,755.18	8,878.15	82.69	82.62	74.47	4,844.60	398.24	653.20	492.57	160.63	4.066		
14,000.00	9,052.35	13,855.18	8,878.00	84.29	84.22	74.44	4,944.60	397.59	653.29	489.57	163.72	3.990		
14,100.00	9,052.51	13,955.18	8,877.85	85.89	85.81	74.41	5,044.60	396.95	653.38	486.58	166.80	3.917		
14,200.00	9,052.67	14,055.18	8,877.70	87.48	87.41	74.39	5,144.60	396.31	653.47	483.58	169.89	3.846		
14,300.00	9,052.83	14,155.18	8,877.55	89.08	89.01	74.36	5,244.59	395.67	653.56	480.58	172.98	3.778		
14,400.00	9,052.98	14,255.18	8,877.40	90.69	90.61	74.34	5,344.59	395.03	653.66	477.58	176.07	3.712		
14,500.00	9,053.14	14,355.18	8,877.25	92.29	92.21	74.31	5,444.59	394.38	653.75	474.58	179.17	3.649		
14,600.00	9,053.30	14,455.18	8,877.10	93.89	93.81	74.28	5,544.58	393.74	653.84	471.58	182.26	3.587		
14,700.00	9,053.46	14,555.18	8,876.94	95.50	95.41	74.26	5,644.58	393.10	653.93	468.57	185.36	3.528		
14,800.00	9,053.62	14,655.18	8,876.79	97.10	97.02	74.23	5,744.58	392.46	654.02	465.56	188.46	3.470		
14,900.00	9,053.78	14,755.18	8,876.64	98.71	98.63	74.21	5,844.58	391.82	654.11	462.55	191.56	3.415		
15,000.00	9,053.94	14,855.18	8,876.49	100.32	100.23	74.18	5,944.57	391.17	654.21	459.54	194.66	3.361		
15,100.00	9,054.10	14,955.18	8,876.34	101.93	101.84	74.15	6,044.57	390.53	654.30	456.53	197.77	3.308		
15,200.00	9,054.26	15,055.18	8,876.19	103.54	103.45	74.13	6,144.57	389.89	654.39	453.52	200.87	3.258		
15,300.00	9,054.42	15,155.17	8,876.04	105.15	105.06	74.10	6,244.57	389.25	654.48	450.51	203.98	3.209		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
15,400.00	9,054.58	15,255.17	8,875.88	106.77	106.67	74.08	6,344.56	388.60	654.58	447.49	207.08	3.161			
15,500.00	9,054.73	15,355.17	8,875.73	108.38	108.28	74.05	6,444.56	387.96	654.67	444.48	210.19	3.115			
15,600.00	9,054.89	15,455.17	8,875.58	109.99	109.90	74.02	6,544.56	387.32	654.76	441.46	213.30	3.070			
15,700.00	9,055.05	15,555.17	8,875.43	111.61	111.51	74.00	6,644.56	386.68	654.86	438.45	216.41	3.026			
15,800.00	9,055.21	15,655.17	8,875.28	113.22	113.13	73.97	6,744.55	386.04	654.95	435.43	219.52	2.984			
15,900.00	9,055.37	15,755.17	8,875.13	114.84	114.74	73.95	6,844.55	385.39	655.04	432.41	222.63	2.942			
16,000.00	9,055.53	15,855.17	8,874.98	116.46	116.36	73.92	6,944.55	384.75	655.14	429.40	225.74	2.902			
16,100.00	9,055.69	15,955.17	8,874.83	118.07	117.97	73.89	7,044.54	384.11	655.23	426.38	228.85	2.863			
16,200.00	9,055.85	16,055.17	8,874.67	119.69	119.59	73.87	7,144.54	383.47	655.32	423.36	231.97	2.825			
16,300.00	9,056.01	16,155.17	8,874.52	121.31	121.21	73.84	7,244.54	382.83	655.42	420.34	235.08	2.788			
16,400.00	9,056.17	16,255.17	8,874.37	122.93	122.83	73.82	7,344.54	382.18	655.51	417.32	238.19	2.752			
16,500.00	9,056.33	16,355.17	8,874.22	124.55	124.45	73.79	7,444.53	381.54	655.61	414.30	241.30	2.717			
16,600.00	9,056.49	16,455.17	8,874.07	126.17	126.06	73.77	7,544.53	380.90	655.70	411.28	244.42	2.683			
16,700.00	9,056.64	16,555.17	8,873.92	127.79	127.68	73.74	7,644.53	380.26	655.79	408.26	247.53	2.649			
16,800.00	9,056.80	16,655.17	8,873.77	129.41	129.30	73.71	7,744.53	379.61	655.89	405.24	250.65	2.617			
16,900.00	9,056.96	16,755.17	8,873.61	131.03	130.93	73.69	7,844.52	378.97	655.98	402.22	253.76	2.585			
17,000.00	9,057.12	16,855.17	8,873.46	132.66	132.55	73.66	7,944.52	378.33	656.08	399.20	256.88	2.554			
17,100.00	9,057.28	16,955.17	8,873.31	134.28	134.17	73.64	8,044.52	377.69	656.17	396.18	259.99	2.524			
17,200.00	9,057.44	17,055.17	8,873.16	135.90	135.79	73.61	8,144.52	377.05	656.27	393.16	263.11	2.494			
17,300.00	9,057.60	17,155.17	8,873.01	137.52	137.41	73.58	8,244.51	376.40	656.36	390.14	266.22	2.465			
17,400.00	9,057.76	17,255.16	8,872.86	139.15	139.04	73.56	8,344.51	375.76	656.46	387.12	269.34	2.437			
17,500.00	9,057.92	17,355.16	8,872.71	140.77	140.66	73.53	8,444.51	375.12	656.56	384.10	272.45	2.410			
17,600.00	9,058.08	17,455.16	8,872.55	142.40	142.28	73.51	8,544.51	374.48	656.65	381.08	275.57	2.383			
17,700.00	9,058.24	17,555.16	8,872.40	144.02	143.91	73.48	8,644.50	373.84	656.75	378.06	278.68	2.357			
17,800.00	9,058.40	17,655.16	8,872.25	145.65	145.53	73.46	8,744.50	373.19	656.84	375.05	281.80	2.331			
17,900.00	9,058.55	17,755.16	8,872.10	147.27	147.16	73.43	8,844.50	372.55	656.94	372.03	284.91	2.306			
18,000.00	9,058.71	17,855.16	8,871.95	148.90	148.78	73.40	8,944.49	371.91	657.04	369.01	288.03	2.281			
18,100.00	9,058.87	17,955.16	8,871.80	150.52	150.41	73.38	9,044.49	371.27	657.13	365.99	291.14	2.257			
18,200.00	9,059.03	18,055.16	8,871.65	152.15	152.03	73.35	9,144.49	370.63	657.23	362.97	294.26	2.234			
18,300.00	9,059.19	18,155.16	8,871.50	153.78	153.66	73.33	9,244.49	369.98	657.32	359.95	297.37	2.210			
18,400.00	9,059.35	18,255.16	8,871.34	155.40	155.29	73.30	9,344.48	369.34	657.42	356.94	300.49	2.188			
18,500.00	9,059.51	18,355.16	8,871.19	157.03	156.91	73.28	9,444.48	368.70	657.52	353.92	303.60	2.166			
18,600.00	9,059.67	18,455.16	8,871.04	158.66	158.54	73.25	9,544.48	368.06	657.61	350.90	306.71	2.144			
18,700.00	9,059.83	18,555.16	8,870.89	160.29	160.17	73.22	9,644.48	367.41	657.71	347.88	309.83	2.123			
18,800.00	9,059.99	18,655.16	8,870.74	161.92	161.80	73.20	9,744.47	366.77	657.81	344.87	312.94	2.102			
18,808.61	9,060.00	18,663.77	8,870.73	162.06	161.94	73.20	9,753.09	366.72	657.82	344.61	313.21	2.100 SF			

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	21.20	21.20	0.00	0.02	80.93	202.95	1,271.84	1,287.93						
100.00	100.00	121.20	121.20	0.09	0.13	80.93	202.95	1,271.84	1,287.93	1,287.71	0.22	5,864.984			
200.00	200.00	221.20	221.20	0.31	0.36	80.93	202.95	1,271.84	1,287.93	1,287.26	0.67	1,924.788			
300.00	300.00	321.20	321.20	0.54	0.58	80.93	202.95	1,271.84	1,287.93	1,286.81	1.12	1,151.315			
400.00	400.00	421.20	421.20	0.76	0.81	80.93	202.95	1,271.84	1,287.93	1,286.36	1.57	821.283			
500.00	500.00	521.20	521.20	0.99	1.03	80.93	202.95	1,271.84	1,287.93	1,285.91	2.02	638.308			
600.00	600.00	621.20	621.20	1.21	1.26	80.93	202.95	1,271.84	1,287.93	1,285.46	2.47	522.009			
700.00	700.00	721.20	721.20	1.43	1.48	80.93	202.95	1,271.84	1,287.93	1,285.01	2.92	441.558			
800.00	800.00	821.20	821.20	1.66	1.71	80.93	202.95	1,271.84	1,287.93	1,284.56	3.37	382.593			
900.00	900.00	921.20	921.20	1.88	1.93	80.93	202.95	1,271.84	1,287.93	1,284.11	3.82	337.521			
1,000.00	1,000.00	1,021.20	1,021.20	2.11	2.16	80.93	202.95	1,271.84	1,287.93	1,283.67	4.27	301.949			
1,100.00	1,100.00	1,121.20	1,121.20	2.33	2.38	80.93	202.95	1,271.84	1,287.93	1,283.22	4.71	273.161			
1,200.00	1,200.00	1,221.20	1,221.20	2.56	2.61	80.93	202.95	1,271.84	1,287.93	1,282.77	5.16	249.384			
1,300.00	1,300.00	1,321.20	1,321.20	2.78	2.83	80.93	202.95	1,271.84	1,287.93	1,282.32	5.61	229.415			
1,400.00	1,400.00	1,421.20	1,421.20	3.01	3.06	80.93	202.95	1,271.84	1,287.93	1,281.87	6.06	212.407			
1,500.00	1,500.00	1,521.20	1,521.20	3.23	3.28	80.93	202.95	1,271.84	1,287.93	1,281.42	6.51	197.746			
1,600.00	1,600.00	1,621.20	1,621.20	3.46	3.51	80.93	202.95	1,271.84	1,287.93	1,280.97	6.96	184.979			
1,700.00	1,700.00	1,721.20	1,721.20	3.68	3.73	80.93	202.95	1,271.84	1,287.93	1,280.52	7.41	173.760			
1,800.00	1,800.00	1,821.20	1,821.20	3.91	3.95	80.93	202.95	1,271.84	1,287.93	1,280.07	7.86	163.825			
1,900.00	1,900.00	1,921.20	1,921.20	4.13	4.18	80.93	202.95	1,271.84	1,287.93	1,279.62	8.31	154.964			
2,000.00	2,000.00	2,021.20	2,021.20	4.36	4.40	80.93	202.95	1,271.84	1,287.93	1,279.17	8.76	147.012			
2,100.00	2,100.00	2,121.20	2,121.20	4.58	4.63	80.93	202.95	1,271.84	1,287.93	1,278.72	9.21	139.837			
2,200.00	2,200.00	2,221.20	2,221.20	4.81	4.85	80.93	202.95	1,271.84	1,287.93	1,278.27	9.66	133.329			
2,300.00	2,300.00	2,321.20	2,321.20	5.03	5.08	80.93	202.95	1,271.84	1,287.93	1,277.82	10.11	127.401			
2,400.00	2,400.00	2,421.20	2,421.20	5.26	5.30	80.93	202.95	1,271.84	1,287.93	1,277.37	10.56	121.977			
2,407.70	2,407.70	2,428.90	2,428.90	5.27	5.32	80.93	202.95	1,271.84	1,287.93	1,277.34	10.59	121.578 CC			
2,500.00	2,500.00	2,518.32	2,518.32	5.48	5.52	80.93	202.93	1,271.86	1,287.95	1,276.96	11.00	117.112 ES			
2,600.00	2,599.99	2,600.00	2,599.99	5.68	5.68	-137.43	202.43	1,272.54	1,289.36	1,278.00	11.36	113.504			
2,700.00	2,699.96	2,691.01	2,690.97	5.86	5.85	-137.40	201.06	1,274.40	1,293.08	1,281.39	11.70	110.541			
2,800.00	2,799.86	2,777.17	2,777.06	6.04	6.01	-137.36	198.96	1,277.23	1,299.15	1,287.12	12.03	107.981			
2,900.00	2,899.68	2,863.13	2,862.88	6.22	6.17	-137.33	196.11	1,281.09	1,307.49	1,295.12	12.37	105.703			
3,000.00	2,999.48	2,948.89	2,948.44	6.41	6.34	-137.30	192.50	1,285.97	1,317.16	1,304.45	12.71	103.623			
3,100.00	3,099.27	3,034.46	3,033.68	6.60	6.51	-137.23	188.14	1,291.87	1,327.87	1,314.81	13.06	101.698			
3,200.00	3,199.06	3,119.77	3,118.57	6.80	6.68	-137.13	183.04	1,298.77	1,339.62	1,326.22	13.41	99.920			
3,300.00	3,298.86	3,214.71	3,212.90	7.00	6.88	-136.98	176.73	1,307.30	1,352.17	1,338.38	13.79	98.059			
3,400.00	3,398.65	3,313.85	3,311.41	7.20	7.10	-136.83	170.10	1,316.26	1,364.78	1,350.59	14.19	96.177			
3,500.00	3,498.45	3,412.98	3,409.92	7.40	7.32	-136.68	163.48	1,325.22	1,377.39	1,362.79	14.60	94.357			
3,600.00	3,598.24	3,512.12	3,508.43	7.61	7.54	-136.54	156.85	1,334.18	1,390.01	1,375.00	15.01	92.600			
3,700.00	3,698.04	3,611.26	3,606.94	7.82	7.77	-136.39	150.23	1,343.14	1,402.64	1,387.21	15.43	90.906			
3,800.00	3,797.83	3,710.40	3,705.45	8.04	8.00	-136.25	143.60	1,352.09	1,415.28	1,399.43	15.85	89.274			
3,900.00	3,897.63	3,809.54	3,803.96	8.25	8.24	-136.11	136.98	1,361.05	1,427.93	1,411.65	16.28	87.703			
4,000.00	3,997.42	3,908.68	3,902.47	8.47	8.48	-135.98	130.35	1,370.01	1,440.58	1,423.87	16.71	86.190			
4,100.00	4,097.21	4,007.81	4,000.99	8.69	8.72	-135.84	123.73	1,378.97	1,453.25	1,436.10	17.15	84.736			
4,200.00	4,197.01	4,106.95	4,099.50	8.91	8.97	-135.71	117.10	1,387.93	1,465.92	1,448.33	17.59	83.337			
4,300.00	4,296.80	4,206.09	4,198.01	9.13	9.22	-135.58	110.47	1,396.89	1,478.60	1,460.56	18.03	81.991			
4,400.00	4,396.60	4,305.23	4,296.52	9.35	9.47	-135.46	103.85	1,405.85	1,491.28	1,472.80	18.48	80.697			
4,500.00	4,496.39	4,404.37	4,395.03	9.58	9.72	-135.33	97.22	1,414.81	1,503.98	1,485.05	18.93	79.453			
4,600.00	4,596.19	4,503.51	4,493.54	9.80	9.98	-135.21	90.60	1,423.77	1,516.68	1,497.30	19.38	78.256			
4,700.00	4,695.98	4,602.64	4,592.05	10.03	10.23	-135.09	83.97	1,432.73	1,529.38	1,509.55	19.84	77.104			
4,800.00	4,795.78	4,701.78	4,690.56	10.26	10.49	-134.97	77.35	1,441.68	1,542.10	1,521.81	20.29	75.996			
4,900.00	4,895.57	4,800.92	4,789.07	10.49	10.75	-134.85	70.72	1,450.64	1,554.82	1,534.07	20.75	74.929			
5,000.00	4,995.36	4,900.06	4,887.58	10.72	11.01	-134.74	64.10	1,459.60	1,567.54	1,546.33	21.21	73.902			

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00-usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 513H - OH - Plan #2											Offset Site Error: 0.00 usft		
Survey Program: O-LEAM MWD+HDGM											Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,095.16	4,999.20	4,986.09	10.95	11.28	-134.63	57.47	1,468.56	1,580.28	1,558.60	21.67	72.912	
5,200.00	5,194.95	5,098.33	5,084.60	11.18	11.54	-134.51	50.85	1,477.52	1,593.01	1,570.88	22.14	71.959	
5,300.00	5,294.75	5,197.47	5,183.11	11.41	11.81	-134.40	44.22	1,486.48	1,605.76	1,583.15	22.60	71.040	
5,400.00	5,394.54	5,296.61	5,281.62	11.65	12.07	-134.30	37.60	1,495.44	1,618.51	1,595.44	23.07	70.153	
5,500.00	5,494.34	5,395.75	5,380.13	11.88	12.34	-134.19	30.97	1,504.40	1,631.26	1,607.72	23.54	69.298	
5,600.00	5,594.13	5,494.89	5,478.64	12.11	12.61	-134.09	24.35	1,513.36	1,644.02	1,620.01	24.01	68.473	
5,700.00	5,693.93	5,594.03	5,577.15	12.35	12.88	-133.98	17.72	1,522.32	1,656.79	1,632.31	24.48	67.676	
5,800.00	5,793.72	5,693.16	5,675.66	12.58	13.15	-133.88	11.09	1,531.27	1,669.56	1,644.61	24.95	66.907	
5,900.00	5,893.51	5,792.30	5,774.17	12.82	13.42	-133.78	4.47	1,540.23	1,682.34	1,656.91	25.43	66.163	
6,000.00	5,993.31	5,891.44	5,872.68	13.06	13.69	-133.68	-2.16	1,549.19	1,695.12	1,669.21	25.90	65.444	
6,100.00	6,093.10	5,990.58	5,971.19	13.30	13.97	-133.59	-8.78	1,558.15	1,707.90	1,681.52	26.38	64.749	
6,200.00	6,192.90	6,089.72	6,069.70	13.53	14.24	-133.49	-15.41	1,567.11	1,720.69	1,693.84	26.85	64.076	
6,300.00	6,292.69	6,188.86	6,168.21	13.77	14.51	-133.40	-22.03	1,576.07	1,733.49	1,706.16	27.33	63.425	
6,400.00	6,392.49	6,287.99	6,266.72	14.01	14.79	-133.31	-28.66	1,585.03	1,746.29	1,718.48	27.81	62.795	
6,500.00	6,492.28	6,387.13	6,365.23	14.25	15.06	-133.21	-35.28	1,593.99	1,759.09	1,730.80	28.29	62.184	
6,600.00	6,592.08	6,486.27	6,463.74	14.49	15.34	-133.12	-41.91	1,602.95	1,771.90	1,743.13	28.77	61.592	
6,700.00	6,691.87	6,585.41	6,562.25	14.73	15.62	-133.04	-48.53	1,611.91	1,784.71	1,755.46	29.25	61.018	
6,800.00	6,791.66	6,684.55	6,660.76	14.97	15.89	-132.95	-55.16	1,620.86	1,797.53	1,767.80	29.73	60.462	
6,900.00	6,891.46	6,783.69	6,759.27	15.21	16.17	-132.86	-61.78	1,629.82	1,810.35	1,780.14	30.21	59.922	
7,000.00	6,991.25	6,882.82	6,857.78	15.45	16.45	-132.78	-68.41	1,638.78	1,823.18	1,792.48	30.69	59.398	
7,100.00	7,091.05	6,981.96	6,956.29	15.69	16.73	-132.69	-75.03	1,647.74	1,836.00	1,804.83	31.18	58.890	
7,200.00	7,190.84	7,081.10	7,054.80	15.93	17.01	-132.61	-81.66	1,656.70	1,848.84	1,817.18	31.66	58.396	
7,300.00	7,290.64	7,180.24	7,153.31	16.17	17.28	-132.53	-88.29	1,665.66	1,861.67	1,829.53	32.14	57.916	
7,400.00	7,390.43	7,279.38	7,251.82	16.42	17.56	-132.45	-94.91	1,674.62	1,874.51	1,841.88	32.63	57.449	
7,500.00	7,490.23	7,378.52	7,350.33	16.65	17.84	-132.39	-101.54	1,683.58	1,887.32	1,854.21	33.11	57.002	
7,600.00	7,590.10	7,477.73	7,448.92	16.85	18.12	-132.37	-108.17	1,692.54	1,899.31	1,865.75	33.56	56.596	
7,700.00	7,690.04	7,599.15	7,569.63	17.05	18.44	-132.29	-115.89	1,702.99	1,909.76	1,875.70	34.06	56.069	
7,800.00	7,790.02	7,732.82	7,702.81	17.24	18.72	-132.17	-122.70	1,712.20	1,917.39	1,882.84	34.55	55.502	
7,900.00	7,890.02	7,866.99	7,836.71	17.43	18.99	-132.05	-127.67	1,718.92	1,922.27	1,887.24	35.02	54.884	
8,000.00	7,990.02	8,001.47	7,971.10	17.63	19.25	-131.93	-130.79	1,723.13	1,925.25	1,889.76	35.48	54.259	
8,100.00	8,090.02	8,136.13	8,105.73	17.82	19.49	-131.81	-132.03	1,724.81	1,926.43	1,890.51	35.93	53.622	
8,200.00	8,190.02	8,241.62	8,211.22	18.01	19.68	-131.69	-132.05	1,724.84	1,926.45	1,890.13	36.32	53.037	
8,300.00	8,290.02	8,341.62	8,311.22	18.21	19.86	-131.57	-132.05	1,724.84	1,926.45	1,889.74	36.71	52.477	
8,400.00	8,390.02	8,428.18	8,397.60	18.40	20.00	-131.45	-127.69	1,724.81	1,926.75	1,889.69	37.06	51.991	
8,500.00	8,490.02	8,509.39	8,477.22	18.60	20.10	-131.33	-112.02	1,724.71	1,927.94	1,890.57	37.36	51.601	
8,600.00	8,589.19	8,587.83	8,551.27	18.76	20.16	-131.21	-86.35	1,724.54	1,929.49	1,891.90	37.59	51.330	
8,700.00	8,684.80	8,664.77	8,619.84	18.89	20.19	-131.09	-51.58	1,724.32	1,930.94	1,893.20	37.74	51.161	
8,800.00	8,773.95	8,740.60	8,682.28	18.99	20.20	-130.97	-8.64	1,724.04	1,932.16	1,894.31	37.85	51.049	
8,900.00	8,853.92	8,815.67	8,737.96	19.06	20.19	-130.85	41.62	1,723.71	1,933.05	1,895.09	37.95	50.930	
9,000.00	8,922.29	8,890.28	8,786.33	19.12	20.17	-130.73	98.36	1,723.34	1,933.53	1,895.42	38.11	50.738	
9,100.00	8,976.98	8,964.72	8,826.84	19.20	20.14	-130.61	160.76	1,722.93	1,933.57	1,895.21	38.36	50.407	
9,200.00	9,016.33	9,039.29	8,858.97	19.44	20.10	-130.49	227.98	1,722.49	1,933.15	1,894.40	38.75	49.890	
9,300.00	9,039.14	9,114.26	8,882.20	19.83	20.06	-130.37	299.21	1,722.03	1,932.33	1,893.02	39.30	49.165	
9,400.00	9,045.03	9,189.98	8,896.03	20.33	20.07	-130.25	373.59	1,721.55	1,931.18	1,891.15	40.03	48.246	
9,486.39	9,045.16	9,256.63	8,900.00	20.85	20.25	-130.13	440.08	1,721.11	1,930.74	1,889.94	40.79	47.328	
9,500.00	9,045.19	9,269.75	8,899.98	20.93	20.31	-130.01	453.20	1,721.03	1,930.74	1,889.81	40.93	47.168	
9,600.00	9,045.35	9,369.74	8,899.83	21.64	20.84	-129.89	553.20	1,720.38	1,930.77	1,888.63	42.14	45.821	
9,700.00	9,045.50	9,469.74	8,899.67	22.45	21.48	-129.77	653.20	1,719.72	1,930.79	1,887.25	43.54	44.343	
9,800.00	9,045.66	9,569.74	8,899.52	23.34	22.22	-129.65	753.20	1,719.07	1,930.82	1,885.68	45.14	42.773	
9,900.00	9,045.82	9,669.74	8,899.37	24.31	23.05	-129.53	853.19	1,718.42	1,930.84	1,883.93	46.91	41.158	
10,000.00	9,045.98	9,769.74	8,899.21	25.34	23.96	-129.41	953.19	1,717.77	1,930.87	1,882.03	48.84	39.534	
10,100.00	9,046.14	9,869.74	8,899.06	26.44	24.94	-129.29	1,053.19	1,717.12	1,930.89	1,879.99	50.90	37.932	

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design														Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 513H - OH - Plan #2		Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM														Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
10,200.00	9,046.30	9,969.74	8,898.91	27.59	25.98	84.99	1,153.18	1,716.47	1,930.92	1,877.83	53.09	36.371					
10,300.00	9,046.46	10,069.74	8,898.76	28.79	27.08	84.98	1,253.18	1,715.81	1,930.95	1,875.56	55.38	34.865					
10,400.00	9,046.62	10,169.74	8,898.60	30.03	28.24	84.97	1,353.18	1,715.16	1,930.97	1,873.20	57.77	33.425					
10,500.00	9,046.78	10,269.74	8,898.45	31.30	29.43	84.96	1,453.18	1,714.51	1,931.00	1,870.76	60.24	32.055					
10,600.00	9,046.94	10,369.74	8,898.30	32.61	30.67	84.95	1,553.17	1,713.86	1,931.02	1,868.24	62.78	30.757					
10,700.00	9,047.10	10,469.74	8,898.14	33.95	31.94	84.94	1,653.17	1,713.21	1,931.05	1,865.66	65.39	29.531					
10,800.00	9,047.26	10,569.74	8,897.99	35.31	33.24	84.94	1,753.17	1,712.56	1,931.08	1,863.02	68.06	28.374					
10,900.00	9,047.41	10,669.74	8,897.84	36.69	34.57	84.93	1,853.17	1,711.91	1,931.10	1,860.33	70.77	27.286					
11,000.00	9,047.57	10,769.74	8,897.68	38.10	35.93	84.92	1,953.16	1,711.25	1,931.13	1,857.59	73.53	26.262					
11,100.00	9,047.73	10,869.74	8,897.53	39.52	37.31	84.91	2,053.16	1,710.60	1,931.15	1,854.82	76.34	25.298					
11,200.00	9,047.89	10,969.74	8,897.38	40.96	38.71	84.90	2,153.16	1,709.95	1,931.18	1,852.01	79.17	24.392					
11,300.00	9,048.05	11,069.74	8,897.22	42.42	40.12	84.89	2,253.15	1,709.30	1,931.21	1,849.16	82.04	23.539					
11,400.00	9,048.21	11,169.74	8,897.07	43.88	41.56	84.88	2,353.15	1,708.65	1,931.23	1,846.29	84.94	22.736					
11,500.00	9,048.37	11,269.74	8,896.92	45.36	43.00	84.87	2,453.15	1,708.00	1,931.26	1,843.39	87.86	21.980					
11,600.00	9,048.53	11,369.74	8,896.77	46.85	44.46	84.86	2,553.15	1,707.34	1,931.29	1,840.47	90.81	21.267					
11,700.00	9,048.69	11,469.73	8,896.61	48.35	45.94	84.85	2,653.14	1,706.69	1,931.31	1,837.53	93.78	20.594					
11,800.00	9,048.85	11,569.73	8,896.46	49.86	47.42	84.84	2,753.14	1,706.04	1,931.34	1,834.57	96.77	19.958					
11,900.00	9,049.01	11,669.73	8,896.31	51.37	48.91	84.83	2,853.14	1,705.39	1,931.37	1,831.59	99.78	19.357					
12,000.00	9,049.16	11,769.73	8,896.15	52.90	50.42	84.82	2,953.14	1,704.74	1,931.39	1,828.59	102.80	18.788					
12,100.00	9,049.32	11,869.73	8,896.00	54.43	51.93	84.82	3,053.13	1,704.09	1,931.42	1,825.58	105.83	18.250					
12,200.00	9,049.48	11,969.73	8,895.85	55.96	53.44	84.81	3,153.13	1,703.43	1,931.45	1,822.56	108.88	17.739					
12,300.00	9,049.64	12,069.73	8,895.69	57.51	54.97	84.80	3,253.13	1,702.78	1,931.47	1,819.53	111.95	17.254					
12,400.00	9,049.80	12,169.73	8,895.54	59.05	56.50	84.79	3,353.12	1,702.13	1,931.50	1,816.48	115.02	16.793					
12,500.00	9,049.96	12,269.73	8,895.39	60.61	58.04	84.78	3,453.12	1,701.48	1,931.53	1,813.42	118.10	16.355					
12,600.00	9,050.12	12,369.73	8,895.23	62.16	59.58	84.77	3,553.12	1,700.83	1,931.55	1,810.36	121.20	15.937					
12,700.00	9,050.28	12,469.73	8,895.08	63.72	61.13	84.76	3,653.12	1,700.18	1,931.58	1,807.28	124.30	15.540					
12,800.00	9,050.44	12,569.73	8,894.93	65.29	62.68	84.75	3,753.11	1,699.53	1,931.61	1,804.20	127.41	15.161					
12,900.00	9,050.60	12,669.73	8,894.78	66.86	64.24	84.74	3,853.11	1,698.87	1,931.63	1,801.11	130.53	14.799					
13,000.00	9,050.76	12,769.73	8,894.62	68.43	65.80	84.73	3,953.11	1,698.22	1,931.66	1,798.01	133.65	14.453					
13,100.00	9,050.92	12,869.73	8,894.47	70.00	67.36	84.72	4,053.11	1,697.57	1,931.69	1,794.90	136.78	14.122					
13,200.00	9,051.07	12,969.73	8,894.32	71.58	68.93	84.71	4,153.10	1,696.92	1,931.72	1,791.79	139.92	13.806					
13,300.00	9,051.23	13,069.73	8,894.16	73.16	70.50	84.70	4,253.10	1,696.27	1,931.74	1,788.68	143.07	13.503					
13,400.00	9,051.39	13,169.73	8,894.01	74.74	72.08	84.70	4,353.10	1,695.62	1,931.77	1,785.56	146.21	13.212					
13,500.00	9,051.55	13,269.73	8,893.86	76.33	73.65	84.69	4,453.09	1,694.96	1,931.80	1,782.43	149.37	12.933					
13,600.00	9,051.71	13,369.73	8,893.70	77.92	75.23	84.68	4,553.09	1,694.31	1,931.82	1,779.30	152.53	12.665					
13,700.00	9,051.87	13,469.73	8,893.55	79.51	76.81	84.67	4,653.09	1,693.66	1,931.85	1,776.16	155.69	12.408					
13,800.00	9,052.03	13,569.72	8,893.40	81.10	78.40	84.66	4,753.09	1,693.01	1,931.88	1,773.02	158.86	12.161					
13,900.00	9,052.19	13,669.72	8,893.24	82.69	79.99	84.65	4,853.08	1,692.36	1,931.91	1,769.88	162.03	11.923					
14,000.00	9,052.35	13,769.72	8,893.09	84.29	81.58	84.64	4,953.08	1,691.71	1,931.94	1,766.73	165.20	11.694					
14,100.00	9,052.51	13,869.72	8,892.94	85.89	83.17	84.63	5,053.08	1,691.06	1,931.96	1,763.58	168.38	11.474					
14,200.00	9,052.67	13,969.72	8,892.79	87.48	84.76	84.62	5,153.08	1,690.40	1,931.99	1,760.43	171.56	11.261					
14,300.00	9,052.83	14,069.72	8,892.63	89.08	86.35	84.61	5,253.07	1,689.75	1,932.02	1,757.27	174.75	11.056					
14,400.00	9,052.98	14,169.72	8,892.48	90.69	87.95	84.60	5,353.07	1,689.10	1,932.05	1,754.11	177.93	10.858					
14,500.00	9,053.14	14,269.72	8,892.33	92.29	89.55	84.59	5,453.07	1,688.45	1,932.07	1,750.95	181.12	10.667					
14,600.00	9,053.30	14,369.72	8,892.17	93.89	91.15	84.59	5,553.06	1,687.80	1,932.10	1,747.79	184.32	10.483					
14,700.00	9,053.46	14,469.72	8,892.02	95.50	92.75	84.58	5,653.06	1,687.15	1,932.13	1,744.62	187.51	10.304					
14,800.00	9,053.62	14,569.72	8,891.87	97.10	94.35	84.57	5,753.06	1,686.49	1,932.16	1,741.45	190.71	10.131					
14,900.00	9,053.78	14,669.72	8,891.71	98.71	95.95	84.56	5,853.06	1,685.84	1,932.19	1,738.28	193.91	9.964					
15,000.00	9,053.94	14,769.72	8,891.56	100.32	97.56	84.55	5,953.05	1,685.19	1,932.21	1,735.10	197.11	9.803					
15,100.00	9,054.10	14,869.72	8,891.41	101.93	99.16	84.54	6,053.05	1,684.54	1,932.24	1,731.93	200.31	9.646					
15,200.00	9,054.26	14,969.72	8,891.25	103.54	100.77	84.53	6,153.05	1,683.89	1,932.27	1,728.75	203.52	9.494					
15,300.00	9,054.42	15,069.72	8,891.10	105.15	102.38	84.52	6,253.05	1,683.24	1,932.30	1,725.57	206.73	9.347					

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM														Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,400.00	9,054.58	15,169.72	8,890.95	106.77	103.99	84.51	6,353.04	1,682.59	1,932.33	1,722.39	209.94	9.204			
15,500.00	9,054.73	15,269.72	8,890.79	108.38	105.59	84.50	6,453.04	1,681.93	1,932.36	1,719.21	213.15	9.066			
15,600.00	9,054.89	15,369.72	8,890.64	109.99	107.21	84.49	6,553.04	1,681.28	1,932.38	1,716.02	216.36	8.931			
15,700.00	9,055.05	15,469.72	8,890.49	111.61	108.82	84.48	6,653.03	1,680.63	1,932.41	1,712.84	219.57	8.801			
15,800.00	9,055.21	15,569.71	8,890.34	113.22	110.43	84.47	6,753.03	1,679.98	1,932.44	1,709.65	222.79	8.674			
15,900.00	9,055.37	15,669.71	8,890.18	114.84	112.04	84.47	6,853.03	1,679.33	1,932.47	1,706.46	226.01	8.551			
16,000.00	9,055.53	15,769.71	8,890.03	116.46	113.66	84.46	6,953.03	1,678.68	1,932.50	1,703.27	229.22	8.431			
16,100.00	9,055.69	15,869.71	8,889.88	118.07	115.27	84.45	7,053.02	1,678.02	1,932.53	1,700.08	232.44	8.314			
16,200.00	9,055.85	15,969.71	8,889.72	119.69	116.89	84.44	7,153.02	1,677.37	1,932.56	1,696.89	235.66	8.201			
16,300.00	9,056.01	16,069.71	8,889.57	121.31	118.50	84.43	7,253.02	1,676.72	1,932.58	1,693.70	238.88	8.090			
16,400.00	9,056.17	16,169.71	8,889.42	122.93	120.12	84.42	7,353.02	1,676.07	1,932.61	1,690.51	242.11	7.982			
16,500.00	9,056.33	16,269.71	8,889.26	124.55	121.74	84.41	7,453.01	1,675.42	1,932.64	1,687.31	245.33	7.878			
16,600.00	9,056.49	16,369.71	8,889.11	126.17	123.35	84.40	7,553.01	1,674.77	1,932.67	1,684.12	248.55	7.776			
16,700.00	9,056.64	16,469.71	8,888.96	127.79	124.97	84.39	7,653.01	1,674.12	1,932.70	1,680.92	251.78	7.676			
16,800.00	9,056.80	16,569.71	8,888.80	129.41	126.59	84.38	7,753.00	1,673.46	1,932.73	1,677.72	255.01	7.579			
16,900.00	9,056.96	16,669.71	8,888.65	131.03	128.21	84.37	7,853.00	1,672.81	1,932.76	1,674.52	258.23	7.485			
17,000.00	9,057.12	16,769.71	8,888.50	132.66	129.83	84.36	7,953.00	1,672.16	1,932.79	1,671.33	261.46	7.392			
17,100.00	9,057.28	16,869.71	8,888.35	134.28	131.45	84.35	8,053.00	1,671.51	1,932.82	1,668.13	264.69	7.302			
17,200.00	9,057.44	16,969.71	8,888.19	135.90	133.07	84.35	8,152.99	1,670.86	1,932.85	1,664.93	267.92	7.214			
17,300.00	9,057.60	17,069.71	8,888.04	137.52	134.69	84.34	8,252.99	1,670.21	1,932.87	1,661.72	271.15	7.128			
17,400.00	9,057.76	17,169.71	8,887.89	139.15	136.31	84.33	8,352.99	1,669.55	1,932.90	1,658.52	274.38	7.045			
17,500.00	9,057.92	17,269.71	8,887.73	140.77	137.94	84.32	8,452.99	1,668.90	1,932.93	1,655.32	277.61	6.963			
17,600.00	9,058.08	17,369.71	8,887.58	142.40	139.56	84.31	8,552.98	1,668.25	1,932.96	1,652.12	280.85	6.883			
17,700.00	9,058.24	17,469.71	8,887.43	144.02	141.18	84.30	8,652.98	1,667.60	1,932.99	1,648.91	284.08	6.804			
17,800.00	9,058.40	17,569.71	8,887.27	145.65	142.81	84.29	8,752.98	1,666.95	1,933.02	1,645.71	287.31	6.728			
17,900.00	9,058.55	17,669.70	8,887.12	147.27	144.43	84.28	8,852.97	1,666.30	1,933.05	1,642.51	290.55	6.653			
18,000.00	9,058.71	17,769.70	8,886.97	148.90	146.05	84.27	8,952.97	1,665.65	1,933.08	1,639.30	293.78	6.580			
18,100.00	9,058.87	17,869.70	8,886.81	150.52	147.68	84.26	9,052.97	1,664.99	1,933.11	1,636.09	297.02	6.508			
18,200.00	9,059.03	17,969.70	8,886.66	152.15	149.30	84.25	9,152.97	1,664.34	1,933.14	1,632.89	300.25	6.438			
18,300.00	9,059.19	18,069.70	8,886.51	153.78	150.93	84.24	9,252.96	1,663.69	1,933.17	1,629.68	303.49	6.370			
18,400.00	9,059.35	18,169.70	8,886.36	155.40	152.55	84.23	9,352.96	1,663.04	1,933.20	1,626.47	306.73	6.303			
18,500.00	9,059.51	18,269.70	8,886.20	157.03	154.18	84.23	9,452.96	1,662.39	1,933.23	1,623.27	309.96	6.237			
18,600.00	9,059.67	18,369.70	8,886.05	158.66	155.81	84.22	9,552.96	1,661.74	1,933.26	1,620.06	313.20	6.173			
18,700.00	9,059.83	18,469.70	8,885.90	160.29	157.43	84.21	9,652.95	1,661.08	1,933.29	1,616.85	316.44	6.110			
18,800.00	9,059.99	18,569.70	8,885.74	161.92	159.06	84.20	9,752.95	1,660.43	1,933.32	1,613.64	319.68	6.048			
18,808.61	9,060.00	18,578.31	8,885.73	162.06	159.20	84.20	9,761.56	1,660.38	1,933.32	1,613.37	319.96	6.042 SF			

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 521H - OH - Plan #2		Offset Site Error:	0.00 usft
Survey Program:		O-LEAM MWD+HDGM											Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
0.00	0.00	0.00	0.00	0.00	0.00	-90.14	-3.08	-1,219.77	1,220.04							
100.00	100.00	74.40	74.40	0.09	0.06	-90.14	-3.08	-1,219.77	1,219.77	1,219.62	0.15	8,135.236				
200.00	200.00	174.40	174.40	0.31	0.25	-90.14	-3.08	-1,219.77	1,219.77	1,219.21	0.56	2,162.957				
300.00	300.00	274.40	274.40	0.54	0.48	-90.14	-3.08	-1,219.77	1,219.77	1,218.76	1.01	1,203.562				
400.00	400.00	374.40	374.40	0.76	0.70	-90.14	-3.08	-1,219.77	1,219.77	1,218.31	1.46	833.747				
500.00	500.00	474.40	474.40	0.99	0.93	-90.14	-3.08	-1,219.77	1,219.77	1,217.86	1.91	637.779				
600.00	600.00	574.40	574.40	1.21	1.15	-90.14	-3.08	-1,219.77	1,219.77	1,217.41	2.36	516.401				
700.00	700.00	674.40	674.40	1.43	1.38	-90.14	-3.08	-1,219.77	1,219.77	1,216.96	2.81	433.836				
800.00	800.00	774.40	774.40	1.66	1.60	-90.14	-3.08	-1,219.77	1,219.77	1,216.51	3.26	374.034				
900.00	900.00	874.40	874.40	1.88	1.83	-90.14	-3.08	-1,219.77	1,219.77	1,216.06	3.71	328.721				
1,000.00	1,000.00	974.40	974.40	2.11	2.05	-90.14	-3.08	-1,219.77	1,219.77	1,215.61	4.16	293.201				
1,100.00	1,100.00	1,074.40	1,074.40	2.33	2.28	-90.14	-3.08	-1,219.77	1,219.77	1,215.16	4.61	264.609				
1,200.00	1,200.00	1,174.40	1,174.40	2.56	2.50	-90.14	-3.08	-1,219.77	1,219.77	1,214.71	5.06	241.097				
1,300.00	1,300.00	1,274.40	1,274.40	2.78	2.73	-90.14	-3.08	-1,219.77	1,219.77	1,214.27	5.51	221.423				
1,400.00	1,400.00	1,374.40	1,374.40	3.01	2.95	-90.14	-3.08	-1,219.77	1,219.77	1,213.82	5.96	204.718				
1,500.00	1,500.00	1,474.40	1,474.40	3.23	3.18	-90.14	-3.08	-1,219.77	1,219.77	1,213.37	6.41	190.356				
1,600.00	1,600.00	1,574.40	1,574.40	3.46	3.40	-90.14	-3.08	-1,219.77	1,219.77	1,212.92	6.86	177.877				
1,700.00	1,700.00	1,674.40	1,674.40	3.68	3.62	-90.14	-3.08	-1,219.77	1,219.77	1,212.47	7.31	166.934				
1,800.00	1,800.00	1,774.40	1,774.40	3.91	3.85	-90.14	-3.08	-1,219.77	1,219.77	1,212.02	7.76	157.259				
1,900.00	1,900.00	1,874.40	1,874.40	4.13	4.07	-90.14	-3.08	-1,219.77	1,219.77	1,211.57	8.21	148.644				
2,000.00	2,000.00	1,974.40	1,974.40	4.36	4.30	-90.14	-3.08	-1,219.77	1,219.77	1,211.12	8.66	140.924 CC				
2,100.00	2,100.00	2,064.49	2,064.49	4.58	4.49	-90.16	-3.33	-1,220.03	1,220.08	1,211.01	9.07	134.568				
2,200.00	2,200.00	2,151.15	2,151.13	4.81	4.65	-90.21	-4.46	-1,221.20	1,221.43	1,211.98	9.45	129.216				
2,300.00	2,300.00	2,237.74	2,237.67	5.03	4.81	-90.30	-6.50	-1,223.32	1,223.89	1,214.06	9.83	124.489				
2,400.00	2,400.00	2,324.22	2,324.04	5.26	4.97	-90.44	-9.45	-1,226.37	1,227.44	1,217.23	10.21	120.203				
2,500.00	2,500.00	2,416.19	2,415.84	5.48	5.14	-90.63	-13.47	-1,230.53	1,232.00	1,221.39	10.61	116.162				
2,600.00	2,599.99	2,516.03	2,515.46	5.68	5.34	50.78	-18.00	-1,235.22	1,236.21	1,225.21	11.00	112.432				
2,700.00	2,699.96	2,615.95	2,615.17	5.86	5.54	50.65	-22.53	-1,239.92	1,239.33	1,227.96	11.36	109.051				
2,800.00	2,799.86	2,715.92	2,714.93	6.04	5.74	50.58	-27.06	-1,244.62	1,241.34	1,229.60	11.74	105.722				
2,900.00	2,899.68	2,815.92	2,814.71	6.22	5.95	50.59	-31.60	-1,249.32	1,242.30	1,230.18	12.13	102.455				
3,000.00	2,999.48	2,915.91	2,914.49	6.41	6.16	50.61	-36.14	-1,254.02	1,243.01	1,230.50	12.52	99.314				
3,100.00	3,099.27	3,015.91	3,014.27	6.60	6.37	50.63	-40.67	-1,258.72	1,243.73	1,230.81	12.91	96.315				
3,200.00	3,199.06	3,115.91	3,114.06	6.80	6.59	50.65	-45.21	-1,263.41	1,244.44	1,231.12	13.32	93.456				
3,300.00	3,298.86	3,215.90	3,213.84	7.00	6.81	50.68	-49.74	-1,268.11	1,245.15	1,231.43	13.72	90.731				
3,400.00	3,398.65	3,315.90	3,313.62	7.20	7.03	50.70	-54.28	-1,272.81	1,245.86	1,231.73	14.14	88.133				
3,500.00	3,498.45	3,415.90	3,413.40	7.40	7.25	50.72	-58.82	-1,277.51	1,246.58	1,232.02	14.55	85.656				
3,600.00	3,598.24	3,515.89	3,513.19	7.61	7.47	50.75	-63.35	-1,282.21	1,247.29	1,232.31	14.97	83.296				
3,700.00	3,698.04	3,615.89	3,612.97	7.82	7.70	50.77	-67.89	-1,286.91	1,248.00	1,232.60	15.40	81.045				
3,800.00	3,797.83	3,715.88	3,712.75	8.04	7.93	50.79	-72.42	-1,291.61	1,248.72	1,232.89	15.83	78.898				
3,900.00	3,897.63	3,815.88	3,812.54	8.25	8.16	50.81	-76.96	-1,296.31	1,249.43	1,233.17	16.26	76.850				
4,000.00	3,997.42	3,915.88	3,912.32	8.47	8.39	50.84	-81.49	-1,301.01	1,250.14	1,233.45	16.69	74.894				
4,100.00	4,097.21	4,015.87	4,012.10	8.69	8.62	50.86	-86.03	-1,305.71	1,250.86	1,233.73	17.13	73.026				
4,200.00	4,197.01	4,115.87	4,111.88	8.91	8.85	50.88	-90.57	-1,310.41	1,251.57	1,234.00	17.57	71.241				
4,300.00	4,296.80	4,215.86	4,211.67	9.13	9.08	50.91	-95.10	-1,315.11	1,252.29	1,234.28	18.01	69.534				
4,400.00	4,396.60	4,315.86	4,311.45	9.35	9.32	50.93	-99.64	-1,319.80	1,253.00	1,234.55	18.45	67.901				
4,500.00	4,496.39	4,415.86	4,411.23	9.58	9.55	50.95	-104.17	-1,324.50	1,253.72	1,234.82	18.90	66.338				
4,600.00	4,596.19	4,515.85	4,511.01	9.80	9.79	50.97	-108.71	-1,329.20	1,254.43	1,235.08	19.35	64.840				
4,700.00	4,695.98	4,615.85	4,610.80	10.03	10.02	51.00	-113.25	-1,333.90	1,255.15	1,235.35	19.80	63.405				
4,800.00	4,795.78	4,715.85	4,710.58	10.26	10.26	51.02	-117.78	-1,338.60	1,255.86	1,235.61	20.25	62.028				
4,900.00	4,895.57	4,815.84	4,810.36	10.49	10.50	51.04	-122.32	-1,343.30	1,256.58	1,235.88	20.70	60.707				
5,000.00	4,995.36	4,915.84	4,910.15	10.72	10.74	51.06	-126.85	-1,348.00	1,257.29	1,236.14	21.15	59.439				
5,100.00	5,095.16	5,015.83	5,009.93	10.95	10.98	51.09	-131.39	-1,352.70	1,258.01	1,236.40	21.61	58.220				

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,200.00	5,194.95	5,115.83	5,109.71	11.18	11.22	51.11	-135.93	-1,357.40	1,258.72	1,236.66	22.06	57.048		
5,300.00	5,294.75	5,215.83	5,209.49	11.41	11.46	51.13	-140.46	-1,362.10	1,259.44	1,236.92	22.52	55.921		
5,400.00	5,394.54	5,315.82	5,309.28	11.65	11.70	51.15	-145.00	-1,366.80	1,260.16	1,237.18	22.98	54.836		
5,500.00	5,494.34	5,415.82	5,409.06	11.88	11.94	51.18	-149.53	-1,371.50	1,260.87	1,237.43	23.44	53.791		
5,600.00	5,594.13	5,515.82	5,508.84	12.11	12.18	51.20	-154.07	-1,376.20	1,261.59	1,237.69	23.90	52.784		
5,700.00	5,693.93	5,615.81	5,608.62	12.35	12.42	51.22	-158.61	-1,380.89	1,262.31	1,237.95	24.36	51.813		
5,800.00	5,793.72	5,715.81	5,708.41	12.58	12.66	51.24	-163.14	-1,385.59	1,263.03	1,238.20	24.83	50.877		
5,900.00	5,893.51	5,815.80	5,808.19	12.82	12.91	51.27	-167.68	-1,390.29	1,263.74	1,238.45	25.29	49.973		
6,000.00	5,993.31	5,915.80	5,907.97	13.06	13.15	51.29	-172.21	-1,394.99	1,264.46	1,238.71	25.75	49.100		
6,100.00	6,093.10	6,015.80	6,007.75	13.30	13.39	51.31	-176.75	-1,399.69	1,265.18	1,238.96	26.22	48.257		
6,200.00	6,192.90	6,115.79	6,107.54	13.53	13.64	51.33	-181.28	-1,404.39	1,265.90	1,239.21	26.68	47.441		
6,300.00	6,292.69	6,215.79	6,207.32	13.77	13.88	51.36	-185.82	-1,409.09	1,266.62	1,239.47	27.15	46.653		
6,400.00	6,392.49	6,315.79	6,307.10	14.01	14.12	51.38	-190.36	-1,413.79	1,267.33	1,239.72	27.62	45.890		
6,500.00	6,492.28	6,415.78	6,408.89	14.25	14.37	51.40	-194.89	-1,418.49	1,268.05	1,239.97	28.08	45.152		
6,600.00	6,592.08	6,515.78	6,508.67	14.49	14.61	51.42	-199.43	-1,423.19	1,268.77	1,240.22	28.55	44.437		
6,700.00	6,691.87	6,615.77	6,606.45	14.73	14.86	51.44	-203.96	-1,427.89	1,269.49	1,240.47	29.02	43.744		
6,800.00	6,791.66	6,715.77	6,706.23	14.97	15.10	51.47	-208.50	-1,432.59	1,270.21	1,240.72	29.49	43.072		
6,900.00	6,891.46	6,815.77	6,806.02	15.21	15.35	51.49	-213.04	-1,437.28	1,270.93	1,240.97	29.96	42.420		
7,000.00	6,991.25	6,915.76	6,905.80	15.45	15.59	51.51	-217.57	-1,441.98	1,271.65	1,241.22	30.43	41.789		
7,100.00	7,091.05	7,015.76	7,005.58	15.69	15.84	51.53	-222.11	-1,446.68	1,272.37	1,241.47	30.90	41.175		
7,200.00	7,190.84	7,115.76	7,105.36	15.93	16.08	51.55	-226.64	-1,451.38	1,273.09	1,241.72	31.37	40.580		
7,300.00	7,290.64	7,215.75	7,205.15	16.17	16.33	51.58	-231.18	-1,456.08	1,273.81	1,241.96	31.84	40.001		
7,400.00	7,390.43	7,315.75	7,304.93	16.42	16.57	51.60	-235.72	-1,460.78	1,274.53	1,242.21	32.32	39.439		
7,500.00	7,490.23	7,415.74	7,404.71	16.65	16.82	51.62	-240.25	-1,465.48	1,275.28	1,242.50	32.78	38.899		
7,600.00	7,590.10	7,516.59	7,505.34	16.85	17.07	51.61	-244.82	-1,470.22	1,276.00	1,243.58	33.22	38.435		
7,700.00	7,690.04	7,635.69	7,624.26	17.05	17.32	51.56	-249.29	-1,474.84	1,278.59	1,244.93	33.66	37.982		
7,800.00	7,790.02	7,754.84	7,743.35	17.24	17.54	51.52	-252.04	-1,477.69	1,279.97	1,245.90	34.07	37.564		
7,900.00	7,890.02	7,874.04	7,862.54	17.43	17.76	-90.14	-253.07	-1,478.76	1,280.77	1,246.27	34.49	37.131		
8,000.00	7,990.02	7,975.92	7,964.42	17.63	17.95	-90.14	-253.08	-1,478.77	1,280.77	1,245.89	34.88	36.717		
8,100.00	8,090.02	8,075.92	8,064.42	17.82	18.14	-90.14	-253.08	-1,478.77	1,280.77	1,245.51	35.27	36.315		
8,200.00	8,190.02	8,175.92	8,164.42	18.01	18.33	-90.14	-253.08	-1,478.77	1,280.77	1,245.12	35.66	35.921		
8,300.00	8,290.02	8,275.92	8,264.42	18.21	18.52	-90.14	-253.08	-1,478.77	1,280.77	1,244.73	36.04	35.533		
8,400.00	8,390.02	8,375.92	8,364.42	18.40	18.71	-90.14	-253.08	-1,478.77	1,280.77	1,244.34	36.44	35.152		
8,500.00	8,490.02	8,475.82	8,464.31	18.60	18.90	-89.77	-252.95	-1,478.77	1,280.77	1,243.95	36.82	34.780		
8,600.00	8,589.19	8,575.04	8,562.83	18.76	19.06	-89.82	-242.27	-1,478.84	1,280.77	1,243.61	37.15	34.472		
8,700.00	8,684.80	8,674.45	8,658.22	18.89	19.19	-89.87	-214.70	-1,479.02	1,280.76	1,243.36	37.40	34.245		
8,800.00	8,773.95	8,774.08	8,747.60	18.99	19.28	-89.93	-170.97	-1,479.30	1,280.76	1,243.16	37.60	34.067		
8,900.00	8,853.92	8,873.93	8,828.23	19.06	19.34	-89.99	-112.29	-1,479.67	1,280.75	1,242.96	37.79	33.891		
9,000.00	8,922.29	8,974.01	8,897.61	19.12	19.38	-90.05	-40.33	-1,480.13	1,280.74	1,242.70	38.05	33.663		
9,100.00	8,976.98	9,074.33	8,953.54	19.20	19.42	-90.11	42.78	-1,480.67	1,280.74	1,242.31	38.43	33.330		
9,200.00	9,016.33	9,174.86	8,994.21	19.44	19.54	-90.16	134.58	-1,481.26	1,280.73	1,241.75	38.98	32.856		
9,300.00	9,039.14	9,275.60	9,016.26	19.83	19.94	-90.21	232.27	-1,481.88	1,280.73	1,240.99	39.74	32.230		
9,400.00	9,045.03	9,376.39	9,025.02	20.33	20.44	-90.25	332.71	-1,482.53	1,280.72	1,240.03	40.70	31.470		
9,500.00	9,045.19	9,476.39	9,025.17	20.93	21.05	-90.25	432.71	-1,483.17	1,280.71	1,238.84	41.88	30.582		
9,600.00	9,045.35	9,576.39	9,025.32	21.64	21.76	-90.25	532.70	-1,483.81	1,280.70	1,237.44	43.27	29.599		
9,700.00	9,045.50	9,676.39	9,025.47	22.45	22.56	-90.25	632.70	-1,484.45	1,280.70	1,235.84	44.86	28.551		
9,800.00	9,045.66	9,776.39	9,025.62	23.34	23.44	-90.25	732.70	-1,485.09	1,280.69	1,234.07	46.62	27.470		
9,900.00	9,045.82	9,876.39	9,025.78	24.31	24.40	-90.25	832.70	-1,485.73	1,280.68	1,232.13	48.54	26.382		
10,000.00	9,045.98	9,976.39	9,025.93	25.34	25.43	-90.25	932.70	-1,486.37	1,280.67	1,230.06	50.61	25.307		
10,100.00	9,046.14	10,076.39	9,026.08	26.44	26.52	-90.25	1,032.69	-1,487.01	1,280.66	1,227.87	52.79	24.259		
10,200.00	9,046.30	10,176.39	9,026.23	27.59	27.67	-90.25	1,132.69	-1,487.65	1,280.65	1,225.57	55.08	23.249		
10,300.00	9,046.46	10,276.39	9,026.38	28.79	28.86	-90.25	1,232.69	-1,488.29	1,280.64	1,223.17	57.47	22.282		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,400.00	9,046.62	10,376.39	9,026.53	30.03	30.09	-90.25	1,332.69	-1,488.94	1,280.63	1,220.68	59.95	21.362		
10,500.00	9,046.78	10,476.39	9,026.68	31.30	31.36	-90.25	1,432.69	-1,489.58	1,280.62	1,218.13	62.50	20.491		
10,600.00	9,046.94	10,576.39	9,026.84	32.61	32.66	-90.25	1,532.68	-1,490.22	1,280.61	1,215.50	65.11	19.668		
10,700.00	9,047.10	10,676.39	9,026.99	33.95	33.99	-90.25	1,632.68	-1,490.86	1,280.61	1,212.82	67.78	18.893		
10,800.00	9,047.26	10,776.39	9,027.14	35.31	35.35	-90.25	1,732.68	-1,491.50	1,280.60	1,210.09	70.51	18.163		
10,900.00	9,047.41	10,876.39	9,027.29	36.69	36.73	-90.24	1,832.68	-1,492.14	1,280.59	1,207.31	73.27	17.477		
11,000.00	9,047.57	10,976.39	9,027.44	38.10	38.13	-90.24	1,932.67	-1,492.78	1,280.58	1,204.49	76.08	16.831		
11,100.00	9,047.73	11,076.39	9,027.59	39.52	39.55	-90.24	2,032.67	-1,493.42	1,280.57	1,201.64	78.93	16.224		
11,200.00	9,047.89	11,176.39	9,027.74	40.96	40.99	-90.24	2,132.67	-1,494.06	1,280.56	1,198.75	81.81	15.653		
11,300.00	9,048.05	11,276.39	9,027.90	42.42	42.44	-90.24	2,232.67	-1,494.71	1,280.55	1,195.84	84.71	15.116		
11,400.00	9,048.21	11,376.39	9,028.05	43.88	43.90	-90.24	2,332.67	-1,495.35	1,280.54	1,192.89	87.65	14.610		
11,500.00	9,048.37	11,476.39	9,028.20	45.36	45.38	-90.24	2,432.66	-1,495.99	1,280.53	1,189.93	90.61	14.133		
11,600.00	9,048.53	11,576.39	9,028.35	46.85	46.86	-90.24	2,532.66	-1,496.63	1,280.52	1,186.94	93.58	13.683		
11,700.00	9,048.69	11,676.39	9,028.50	48.35	48.36	-90.24	2,632.66	-1,497.27	1,280.52	1,183.93	96.58	13.258		
11,800.00	9,048.85	11,776.39	9,028.65	49.86	49.86	-90.24	2,732.66	-1,497.91	1,280.51	1,180.91	99.60	12.857		
11,900.00	9,049.01	11,876.39	9,028.80	51.37	51.38	-90.24	2,832.66	-1,498.55	1,280.50	1,177.87	102.63	12.477		
12,000.00	9,049.16	11,976.39	9,028.96	52.90	52.90	-90.24	2,932.65	-1,499.19	1,280.49	1,174.81	105.68	12.117		
12,100.00	9,049.32	12,076.39	9,029.11	54.43	54.43	-90.24	3,032.65	-1,499.83	1,280.48	1,171.74	108.74	11.776		
12,200.00	9,049.48	12,176.39	9,029.26	55.96	55.96	-90.24	3,132.65	-1,500.47	1,280.47	1,168.66	111.81	11.452		
12,300.00	9,049.64	12,276.39	9,029.41	57.51	57.50	-90.24	3,232.65	-1,501.12	1,280.46	1,165.56	114.90	11.144		
12,400.00	9,049.80	12,376.39	9,029.56	59.05	59.04	-90.24	3,332.64	-1,501.76	1,280.45	1,162.46	117.99	10.852		
12,500.00	9,049.96	12,476.39	9,029.71	60.61	60.60	-90.24	3,432.64	-1,502.40	1,280.44	1,159.35	121.10	10.574		
12,600.00	9,050.12	12,576.39	9,029.87	62.16	62.15	-90.24	3,532.64	-1,503.04	1,280.43	1,156.22	124.21	10.309		
12,700.00	9,050.28	12,676.39	9,030.02	63.72	63.71	-90.24	3,632.64	-1,503.68	1,280.43	1,153.09	127.33	10.056		
12,800.00	9,050.44	12,776.39	9,030.17	65.29	65.27	-90.24	3,732.64	-1,504.32	1,280.42	1,149.95	130.46	9.814		
12,900.00	9,050.60	12,876.39	9,030.32	66.86	66.84	-90.24	3,832.63	-1,504.96	1,280.41	1,146.81	133.60	9.584		
13,000.00	9,050.76	12,976.39	9,030.47	68.43	68.41	-90.24	3,932.63	-1,505.60	1,280.40	1,143.66	136.74	9.364		
13,100.00	9,050.92	13,076.39	9,030.62	70.00	69.98	-90.24	4,032.63	-1,506.24	1,280.39	1,140.50	139.89	9.153		
13,200.00	9,051.07	13,176.39	9,030.77	71.58	71.56	-90.24	4,132.63	-1,506.89	1,280.38	1,137.33	143.05	8.951		
13,300.00	9,051.23	13,276.39	9,030.93	73.16	73.14	-90.24	4,232.62	-1,507.53	1,280.37	1,134.16	146.21	8.757		
13,400.00	9,051.39	13,376.39	9,031.08	74.74	74.72	-90.24	4,332.62	-1,508.17	1,280.36	1,130.99	149.38	8.571		
13,500.00	9,051.55	13,476.39	9,031.23	76.33	76.30	-90.24	4,432.62	-1,508.81	1,280.35	1,127.81	152.55	8.393		
13,600.00	9,051.71	13,576.39	9,031.38	77.92	77.89	-90.24	4,532.62	-1,509.45	1,280.34	1,124.62	155.72	8.222		
13,700.00	9,051.87	13,676.39	9,031.53	79.51	79.48	-90.24	4,632.62	-1,510.09	1,280.33	1,121.43	158.90	8.057		
13,800.00	9,052.03	13,776.39	9,031.68	81.10	81.07	-90.24	4,732.61	-1,510.73	1,280.33	1,118.24	162.09	7.899		
13,900.00	9,052.19	13,876.39	9,031.83	82.69	82.66	-90.23	4,832.61	-1,511.37	1,280.32	1,115.04	165.27	7.747		
14,000.00	9,052.35	13,976.39	9,031.99	84.29	84.26	-90.23	4,932.61	-1,512.01	1,280.31	1,111.84	168.46	7.600		
14,100.00	9,052.51	14,076.39	9,032.14	85.89	85.85	-90.23	5,032.61	-1,512.65	1,280.30	1,108.64	171.66	7.458		
14,200.00	9,052.67	14,176.39	9,032.29	87.48	87.45	-90.23	5,132.61	-1,513.30	1,280.29	1,105.43	174.86	7.322		
14,300.00	9,052.83	14,276.39	9,032.44	89.08	89.05	-90.23	5,232.60	-1,513.94	1,280.28	1,102.22	178.06	7.190		
14,400.00	9,052.98	14,376.39	9,032.59	90.69	90.65	-90.23	5,332.60	-1,514.58	1,280.27	1,099.01	181.26	7.063		
14,500.00	9,053.14	14,476.39	9,032.74	92.29	92.25	-90.23	5,432.60	-1,515.22	1,280.26	1,095.80	184.47	6.940		
14,600.00	9,053.30	14,576.39	9,032.89	93.89	93.86	-90.23	5,532.60	-1,515.86	1,280.25	1,092.58	187.68	6.822		
14,700.00	9,053.46	14,676.39	9,033.05	95.50	95.46	-90.23	5,632.59	-1,516.50	1,280.24	1,089.36	190.89	6.707		
14,800.00	9,053.62	14,776.39	9,033.20	97.10	97.07	-90.23	5,732.59	-1,517.14	1,280.24	1,086.14	194.10	6.596		
14,900.00	9,053.78	14,876.39	9,033.35	98.71	98.67	-90.23	5,832.59	-1,517.78	1,280.23	1,082.91	197.32	6.488		
15,000.00	9,053.94	14,976.39	9,033.50	100.32	100.28	-90.23	5,932.59	-1,518.42	1,280.22	1,079.68	200.53	6.384		
15,100.00	9,054.10	15,076.39	9,033.65	101.93	101.89	-90.23	6,032.58	-1,519.06	1,280.21	1,076.46	203.75	6.283		
15,200.00	9,054.26	15,176.39	9,033.80	103.54	103.50	-90.23	6,132.58	-1,519.71	1,280.20	1,073.23	206.97	6.185		
15,300.00	9,054.42	15,276.39	9,033.96	105.15	105.11	-90.23	6,232.58	-1,520.35	1,280.19	1,069.99	210.20	6.090		
15,400.00	9,054.58	15,376.39	9,034.11	106.77	106.72	-90.23	6,332.58	-1,520.99	1,280.18	1,066.76	213.42	5.998		
15,500.00	9,054.73	15,476.39	9,034.26	108.38	108.34	-90.23	6,432.58	-1,521.63	1,280.17	1,063.52	216.65	5.909		

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-LEAM-MWD+HDGM													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,600.00	9,054.89	15,576.39	9,034.41	109.99	109.95	-90.23	6,532.57	-1,522.27	1,280.16	1,060.29	219.88	5.822		
15,700.00	9,055.05	15,676.39	9,034.56	111.61	111.56	-90.23	6,632.57	-1,522.91	1,280.15	1,057.05	223.11	5.738		
15,800.00	9,055.21	15,776.39	9,034.71	113.22	113.18	-90.23	6,732.57	-1,523.55	1,280.15	1,053.81	226.34	5.656		
15,900.00	9,055.37	15,876.39	9,034.86	114.84	114.79	-90.23	6,832.57	-1,524.19	1,280.14	1,050.57	229.57	5.576		
16,000.00	9,055.53	15,976.39	9,035.02	116.46	116.41	-90.23	6,932.57	-1,524.83	1,280.13	1,047.32	232.80	5.499		
16,100.00	9,055.69	16,076.39	9,035.17	118.07	118.03	-90.23	7,032.56	-1,525.48	1,280.12	1,044.08	236.04	5.423		
16,200.00	9,055.85	16,176.39	9,035.32	119.69	119.64	-90.23	7,132.56	-1,526.12	1,280.11	1,040.83	239.28	5.350		
16,300.00	9,056.01	16,276.39	9,035.47	121.31	121.26	-90.23	7,232.56	-1,526.76	1,280.10	1,037.59	242.51	5.278		
16,400.00	9,056.17	16,376.39	9,035.62	122.93	122.88	-90.23	7,332.56	-1,527.40	1,280.09	1,034.34	245.75	5.209		
16,500.00	9,056.33	16,476.39	9,035.77	124.55	124.50	-90.23	7,432.56	-1,528.04	1,280.08	1,031.09	248.99	5.141		
16,600.00	9,056.49	16,576.39	9,035.92	126.17	126.12	-90.23	7,532.55	-1,528.68	1,280.07	1,027.84	252.23	5.075		
16,700.00	9,056.64	16,676.39	9,036.08	127.79	127.74	-90.23	7,632.55	-1,529.32	1,280.06	1,024.59	255.47	5.011		
16,800.00	9,056.80	16,776.39	9,036.23	129.41	129.36	-90.22	7,732.55	-1,529.96	1,280.06	1,021.34	258.72	4.948		
16,900.00	9,056.96	16,876.39	9,036.38	131.03	130.98	-90.22	7,832.55	-1,530.60	1,280.05	1,018.09	261.96	4.886		
17,000.00	9,057.12	16,976.39	9,036.53	132.66	132.60	-90.22	7,932.54	-1,531.24	1,280.04	1,014.83	265.20	4.827		
17,100.00	9,057.28	17,076.39	9,036.68	134.28	134.23	-90.22	8,032.54	-1,531.89	1,280.03	1,011.58	268.45	4.768		
17,200.00	9,057.44	17,176.39	9,036.83	135.90	135.85	-90.22	8,132.54	-1,532.53	1,280.02	1,008.32	271.70	4.711		
17,300.00	9,057.60	17,276.39	9,036.98	137.52	137.47	-90.22	8,232.54	-1,533.17	1,280.01	1,005.07	274.94	4.656		
17,400.00	9,057.76	17,376.39	9,037.14	139.15	139.10	-90.22	8,332.54	-1,533.81	1,280.00	1,001.81	278.19	4.601		
17,500.00	9,057.92	17,476.39	9,037.29	140.77	140.72	-90.22	8,432.53	-1,534.45	1,279.99	998.55	281.44	4.548		
17,600.00	9,058.08	17,576.39	9,037.44	142.40	142.34	-90.22	8,532.53	-1,535.09	1,279.98	995.29	284.69	4.496		
17,700.00	9,058.24	17,676.39	9,037.59	144.02	143.97	-90.22	8,632.53	-1,535.73	1,279.97	992.04	287.94	4.445		
17,800.00	9,058.40	17,776.39	9,037.74	145.65	145.59	-90.22	8,732.53	-1,536.37	1,279.97	988.78	291.19	4.396		
17,900.00	9,058.55	17,876.39	9,037.89	147.27	147.22	-90.22	8,832.52	-1,537.01	1,279.96	985.52	294.44	4.347		
18,000.00	9,058.71	17,976.39	9,038.04	148.90	148.84	-90.22	8,932.52	-1,537.66	1,279.95	982.26	297.69	4.300		
18,100.00	9,058.87	18,076.39	9,038.20	150.52	150.47	-90.22	9,032.52	-1,538.30	1,279.94	978.99	300.94	4.253		
18,200.00	9,059.03	18,176.39	9,038.35	152.15	152.10	-90.22	9,132.52	-1,538.94	1,279.93	975.73	304.20	4.208		
18,300.00	9,059.19	18,276.39	9,038.50	153.78	153.72	-90.22	9,232.52	-1,539.58	1,279.92	972.47	307.45	4.163		
18,400.00	9,059.35	18,376.39	9,038.65	155.40	155.35	-90.22	9,332.51	-1,540.22	1,279.91	969.21	310.70	4.119		
18,500.00	9,059.51	18,476.39	9,038.80	157.03	156.98	-90.22	9,432.51	-1,540.86	1,279.90	965.94	313.96	4.077		
18,600.00	9,059.67	18,576.39	9,038.95	158.66	158.60	-90.22	9,532.51	-1,541.50	1,279.89	962.68	317.21	4.035		
18,700.00	9,059.83	18,676.39	9,039.11	160.29	160.23	-90.22	9,632.51	-1,542.14	1,279.88	959.41	320.47	3.994		
18,800.00	9,059.99	18,776.39	9,039.26	161.92	161.86	-90.22	9,732.51	-1,542.78	1,279.88	956.15	323.73	3.954		
18,808.61	9,060.00	18,785.00	9,039.27	162.06	162.00	-90.22	9,741.12	-1,542.84	1,279.87	955.87	324.01	3.950 ES, SF		

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 523H - OH - Plan #1		Offset Site Error: 0.00 usft	
Survey Program: 0-LEAM MWD+HDGM												Offset Well Error: 0.00 usft				
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
0.00	0.00	20.10	20.10	0.00	0.02	80.72	202.87	1,241.88	1,258.34							
100.00	100.00	120.10	120.10	0.09	0.13	80.72	202.87	1,241.88	1,258.34	1,258.12	0.22	5,795.489				
200.00	200.00	220.10	220.10	0.31	0.36	80.72	202.87	1,241.88	1,258.34	1,257.67	0.67	1,887.541				
300.00	300.00	320.10	320.10	0.54	0.58	80.72	202.87	1,241.88	1,258.34	1,257.22	1.12	1,127.355				
400.00	400.00	420.10	420.10	0.76	0.81	80.72	202.87	1,241.88	1,258.34	1,256.78	1.57	803.682				
500.00	500.00	520.10	520.10	0.99	1.03	80.72	202.87	1,241.88	1,258.34	1,256.33	2.02	624.409				
600.00	600.00	620.10	620.10	1.21	1.25	80.72	202.87	1,241.88	1,258.34	1,255.88	2.46	510.528				
700.00	700.00	720.10	720.10	1.43	1.48	80.72	202.87	1,241.88	1,258.34	1,255.43	2.91	431.779				
800.00	800.00	820.10	820.10	1.66	1.70	80.72	202.87	1,241.88	1,258.34	1,254.98	3.36	374.078				
900.00	900.00	920.10	920.10	1.88	1.93	80.72	202.87	1,241.88	1,258.34	1,254.53	3.81	329.980				
1,000.00	1,000.00	1,020.10	1,020.10	2.11	2.15	80.72	202.87	1,241.88	1,258.34	1,254.08	4.26	295.183				
1,100.00	1,100.00	1,120.10	1,120.10	2.33	2.38	80.72	202.87	1,241.88	1,258.34	1,253.63	4.71	267.025				
1,200.00	1,200.00	1,220.10	1,220.10	2.56	2.60	80.72	202.87	1,241.88	1,258.34	1,253.18	5.16	243.771				
1,300.00	1,300.00	1,320.10	1,320.10	2.78	2.83	80.72	202.87	1,241.88	1,258.34	1,252.73	5.61	224.243				
1,400.00	1,400.00	1,420.10	1,420.10	3.01	3.05	80.72	202.87	1,241.88	1,258.34	1,252.28	6.06	207.611				
1,500.00	1,500.00	1,520.10	1,520.10	3.23	3.28	80.72	202.87	1,241.88	1,258.34	1,251.83	6.51	193.277				
1,600.00	1,600.00	1,620.10	1,620.10	3.46	3.50	80.72	202.87	1,241.88	1,258.34	1,251.38	6.96	180.793				
1,700.00	1,700.00	1,720.10	1,720.10	3.68	3.73	80.72	202.87	1,241.88	1,258.34	1,250.93	7.41	169.825				
1,800.00	1,800.00	1,820.10	1,820.10	3.91	3.95	80.72	202.87	1,241.88	1,258.34	1,250.48	7.86	160.111				
1,900.00	1,900.00	1,920.10	1,920.10	4.13	4.18	80.72	202.87	1,241.88	1,258.34	1,250.03	8.31	151.449				
2,000.00	2,000.00	2,020.10	2,020.10	4.36	4.40	80.72	202.87	1,241.88	1,258.34	1,249.58	8.76	143.675				
2,100.00	2,100.00	2,120.10	2,120.10	4.58	4.63	80.72	202.87	1,241.88	1,258.34	1,249.13	9.21	136.661				
2,200.00	2,200.00	2,220.10	2,220.10	4.81	4.85	80.72	202.87	1,241.88	1,258.34	1,248.68	9.66	130.300				
2,300.00	2,300.00	2,320.10	2,320.10	5.03	5.08	80.72	202.87	1,241.88	1,258.34	1,248.23	10.11	124.504				
2,400.00	2,400.00	2,420.10	2,420.10	5.26	5.30	80.72	202.87	1,241.88	1,258.34	1,247.78	10.56	119.202				
2,500.00	2,500.00	2,522.36	2,522.36	5.48	5.52	80.72	202.83	1,241.87	1,258.32	1,247.32	11.00	114.346				
2,545.09	2,545.08	2,572.50	2,572.50	5.57	5.62	-137.64	202.43	1,241.74	1,258.28	1,247.09	11.19	112.425 CC				
2,600.00	2,599.99	2,633.58	2,633.57	5.68	5.73	-137.62	201.39	1,241.40	1,258.34	1,246.93	11.41	110.267				
2,700.00	2,699.96	2,744.78	2,744.70	5.86	5.93	-137.56	197.90	1,240.26	1,258.76	1,246.99	11.78	106.893				
2,800.00	2,799.86	2,855.95	2,855.72	6.04	6.12	-137.47	192.36	1,238.45	1,259.58	1,247.43	12.15	103.694				
2,900.00	2,899.68	2,967.07	2,966.55	6.22	6.32	-137.35	184.78	1,235.97	1,260.73	1,248.21	12.53	100.646				
3,000.00	2,999.48	3,074.68	3,073.72	6.41	6.53	-137.17	175.58	1,232.96	1,261.34	1,248.43	12.91	97.706				
3,100.00	3,099.27	3,174.59	3,173.19	6.60	6.72	-136.98	166.57	1,230.02	1,261.76	1,248.47	13.29	94.931				
3,200.00	3,199.06	3,274.51	3,272.65	6.80	6.92	-136.79	157.57	1,227.08	1,262.19	1,248.51	13.68	92.258				
3,300.00	3,298.86	3,374.42	3,372.12	7.00	7.12	-136.61	148.57	1,224.14	1,262.63	1,248.55	14.08	89.685				
3,400.00	3,398.65	3,474.34	3,471.58	7.20	7.33	-136.42	139.57	1,221.20	1,263.08	1,248.60	14.48	87.211				
3,500.00	3,498.45	3,574.25	3,571.05	7.40	7.55	-136.24	130.57	1,218.26	1,263.55	1,248.66	14.89	84.835				
3,600.00	3,598.24	3,674.17	3,670.52	7.61	7.76	-136.05	121.57	1,215.32	1,264.03	1,248.72	15.31	82.556				
3,700.00	3,698.04	3,774.08	3,769.98	7.82	7.99	-135.87	112.57	1,212.38	1,264.52	1,248.79	15.73	80.369				
3,800.00	3,797.83	3,874.00	3,869.45	8.04	8.21	-135.68	103.57	1,209.44	1,265.03	1,248.87	16.16	78.272				
3,900.00	3,897.63	3,973.91	3,968.91	8.25	8.44	-135.50	94.57	1,206.50	1,265.55	1,248.96	16.59	76.263				
4,000.00	3,997.42	4,073.83	4,068.38	8.47	8.67	-135.31	85.56	1,203.56	1,266.09	1,249.05	17.03	74.336				
4,100.00	4,097.21	4,173.74	4,167.84	8.69	8.90	-135.13	76.56	1,200.62	1,266.63	1,249.16	17.47	72.490				
4,200.00	4,197.01	4,273.66	4,267.31	8.91	9.13	-134.94	67.56	1,197.68	1,267.19	1,249.27	17.92	70.720				
4,300.00	4,296.80	4,373.57	4,366.77	9.13	9.37	-134.76	58.56	1,194.74	1,267.77	1,249.40	18.37	69.022				
4,400.00	4,396.60	4,473.49	4,466.24	9.35	9.61	-134.57	49.56	1,191.80	1,268.35	1,249.53	18.82	67.395				
4,500.00	4,496.39	4,573.40	4,565.70	9.58	9.85	-134.39	40.56	1,188.86	1,268.95	1,249.68	19.28	65.834				
4,600.00	4,596.19	4,673.32	4,665.17	9.80	10.10	-134.21	31.56	1,185.92	1,269.57	1,249.83	19.73	64.335				
4,700.00	4,695.98	4,773.23	4,764.63	10.03	10.34	-134.02	22.56	1,182.98	1,270.19	1,250.00	20.19	62.897				
4,800.00	4,795.78	4,873.15	4,864.10	10.26	10.59	-133.84	13.55	1,180.04	1,270.83	1,250.17	20.66	61.516				
4,900.00	4,895.57	4,973.06	4,963.56	10.49	10.83	-133.65	4.55	1,177.10	1,271.48	1,250.36	21.12	60.189				
5,000.00	4,995.36	5,072.98	5,063.03	10.72	11.08	-133.47	-4.45	1,174.16	1,272.15	1,250.55	21.59	58.913				

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid.
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD+HDGM													Offset Well Error:	0.00 usft
Reference													Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	5,095.16	5,172.89	5,162.49	10.95	11.33	-133.29	-133.29	-13.45	1,171.22	1,272.83	1,250.76	22.06	57.687	
5,200.00	5,194.95	5,272.81	5,261.96	11.18	11.58	-133.11	-133.11	-22.45	1,168.28	1,273.52	1,250.98	22.54	56.507	
5,300.00	5,294.75	5,372.72	5,361.42	11.41	11.84	-132.92	-132.92	-31.45	1,165.33	1,274.22	1,251.21	23.01	55.371	
5,400.00	5,394.54	5,472.64	5,460.89	11.65	12.09	-132.74	-132.74	-40.45	1,162.39	1,274.94	1,251.45	23.49	54.278	
5,500.00	5,494.34	5,572.55	5,560.35	11.88	12.34	-132.56	-132.56	-49.45	1,159.45	1,275.67	1,251.70	23.97	53.225	
5,600.00	5,594.13	5,672.47	5,659.82	12.11	12.60	-132.38	-132.38	-58.46	1,156.51	1,276.41	1,251.96	24.45	52.210	
5,700.00	5,693.93	5,772.38	5,759.28	12.35	12.85	-132.19	-132.19	-67.46	1,153.57	1,277.17	1,252.24	24.93	51.231	
5,800.00	5,793.72	5,872.30	5,858.75	12.58	13.11	-132.01	-132.01	-76.46	1,150.63	1,277.93	1,252.52	25.41	50.287	
5,900.00	5,893.51	5,972.21	5,958.21	12.82	13.37	-131.83	-131.83	-85.46	1,147.69	1,278.72	1,252.82	25.90	49.376	
6,000.00	5,993.31	6,072.13	6,057.68	13.06	13.63	-131.65	-131.65	-94.46	1,144.75	1,279.51	1,253.13	26.38	48.496	
6,100.00	6,093.10	6,172.04	6,157.15	13.30	13.88	-131.47	-131.47	-103.46	1,141.81	1,280.32	1,253.45	26.87	47.646	
6,200.00	6,192.90	6,271.96	6,256.61	13.53	14.14	-131.29	-131.29	-112.46	1,138.87	1,281.14	1,253.78	27.36	46.825	
6,300.00	6,292.69	6,371.87	6,356.08	13.77	14.40	-131.11	-131.11	-121.46	1,135.93	1,281.97	1,254.12	27.85	46.031	
6,400.00	6,392.49	6,471.79	6,455.54	14.01	14.66	-130.93	-130.93	-130.47	1,132.99	1,282.82	1,254.47	28.34	45.263	
6,500.00	6,492.28	6,571.70	6,555.01	14.25	14.92	-130.75	-130.75	-139.47	1,130.05	1,283.67	1,254.84	28.83	44.520	
6,600.00	6,592.08	6,671.62	6,654.47	14.49	15.19	-130.57	-130.57	-148.47	1,127.11	1,284.54	1,255.22	29.33	43.801	
6,700.00	6,691.87	6,771.53	6,753.94	14.73	15.45	-130.39	-130.39	-157.47	1,124.17	1,285.43	1,255.61	29.82	43.104	
6,800.00	6,791.66	6,871.45	6,853.40	14.97	15.71	-130.21	-130.21	-166.47	1,121.23	1,286.32	1,256.01	30.32	42.430	
6,900.00	6,891.46	6,971.36	6,952.87	15.21	15.97	-130.03	-130.03	-175.47	1,118.29	1,287.23	1,256.42	30.81	41.776	
7,000.00	6,991.25	7,071.28	7,052.33	15.45	16.24	-129.85	-129.85	-184.47	1,115.35	1,288.15	1,256.84	31.31	41.142	
7,100.00	7,091.05	7,171.19	7,151.80	15.69	16.50	-129.67	-129.67	-193.47	1,112.41	1,289.09	1,257.28	31.81	40.527	
7,200.00	7,190.84	7,271.11	7,251.26	15.93	16.76	-129.50	-129.50	-202.47	1,109.47	1,290.03	1,257.72	32.31	39.930	
7,300.00	7,290.64	7,371.02	7,350.73	16.17	17.03	-129.32	-129.32	-211.48	1,106.53	1,290.99	1,258.18	32.81	39.351	
7,400.00	7,390.43	7,470.94	7,450.19	16.42	17.29	-129.14	-129.14	-220.48	1,103.59	1,291.96	1,258.65	33.31	38.789	
7,500.00	7,490.23	7,565.70	7,544.57	16.65	17.51	-128.99	-128.99	-228.60	1,100.93	1,293.06	1,259.31	33.76	38.304	
7,600.00	7,590.10	7,658.91	7,637.52	16.85	17.71	-128.87	-128.87	-235.18	1,098.78	1,293.90	1,259.75	34.16	37.882	
7,700.00	7,690.04	7,752.17	7,730.63	17.05	17.90	-128.75	-128.75	-240.33	1,097.10	1,294.17	1,259.63	34.54	37.465	
7,800.00	7,790.02	7,845.48	7,823.85	17.24	18.08	-128.64	-128.64	-244.04	1,095.89	1,293.87	1,258.95	34.92	37.051	
7,900.00	7,890.02	7,938.83	7,917.17	17.43	18.26	-128.54	-128.54	-246.31	1,095.15	1,293.17	1,257.87	35.30	36.635	
8,000.00	7,990.02	8,032.23	8,010.56	17.63	18.43	-128.44	-128.44	-247.13	1,094.88	1,292.88	1,257.22	35.67	36.248	
8,035.73	8,025.75	8,067.52	8,045.85	17.69	18.50	-128.44	-128.44	-247.13	1,094.88	1,292.88	1,257.08	35.80	36.109	
8,100.00	8,090.02	8,131.79	8,110.12	17.82	18.62	-128.34	-128.34	-247.13	1,094.88	1,292.88	1,256.83	36.05	35.863	
8,200.00	8,190.02	8,231.79	8,210.12	18.01	18.80	-128.24	-128.24	-247.13	1,094.88	1,292.88	1,256.45	36.43	35.490	
8,300.00	8,290.02	8,331.79	8,310.12	18.21	18.99	-128.14	-128.14	-247.13	1,094.88	1,292.88	1,256.07	36.81	35.124	
8,400.00	8,390.02	8,431.79	8,410.12	18.40	19.17	-128.04	-128.04	-247.13	1,094.88	1,292.88	1,255.69	37.19	34.763	
8,400.00	8,390.02	8,431.79	8,410.12	18.40	19.17	-128.04	-128.04	-247.13	1,094.88	1,292.88	1,255.69	37.19	34.763	
8,500.00	8,490.02	8,531.92	8,510.25	18.60	19.35	-127.94	-127.94	-246.98	1,094.88	1,292.88	1,255.31	37.57	34.410	
8,600.00	8,589.19	8,632.97	8,610.54	18.76	19.49	-127.84	-127.84	-235.78	1,094.81	1,292.89	1,255.01	37.88	34.134	
8,700.00	8,684.80	8,734.13	8,707.43	18.89	19.55	-127.74	-127.74	-207.11	1,094.62	1,292.89	1,254.83	38.07	33.965	
8,800.00	8,773.95	8,835.38	8,797.84	18.99	19.56	-127.64	-127.64	-161.82	1,094.33	1,292.90	1,254.72	38.17	33.869	
8,900.00	8,853.92	8,936.67	8,878.91	19.06	19.54	-127.54	-127.54	-101.33	1,093.94	1,292.90	1,254.65	38.25	33.799	
9,000.00	8,922.29	9,037.96	8,948.08	19.12	19.51	-127.44	-127.44	-27.51	1,093.47	1,292.91	1,254.54	38.37	33.696	
9,100.00	8,976.98	9,139.21	9,033.17	19.20	19.51	-127.34	-127.34	57.28	1,092.92	1,292.91	1,254.32	38.59	33.501	
9,200.00	9,016.33	9,240.38	9,042.47	19.44	19.57	-127.24	-127.24	150.36	1,092.32	1,292.91	1,253.93	38.98	33.168	
9,300.00	9,039.14	9,341.43	9,064.79	19.83	19.75	-127.14	-127.14	248.78	1,091.69	1,292.92	1,253.35	39.57	32.677	
9,400.00	9,045.03	9,442.13	9,070.03	20.33	20.06	-127.04	-127.04	349.24	1,091.04	1,292.92	1,252.56	40.36	32.032	
9,500.00	9,045.19	9,542.13	9,070.19	20.93	20.49	-126.94	-126.94	449.24	1,090.40	1,292.93	1,251.54	41.39	31.241	
9,600.00	9,045.35	9,642.13	9,070.34	21.64	21.03	-126.84	-126.84	549.24	1,089.75	1,292.93	1,250.30	42.63	30.330	
9,700.00	9,045.50	9,742.13	9,070.49	22.45	21.69	-126.74	-126.74	649.24	1,089.11	1,292.94	1,248.86	44.08	29.331	
9,800.00	9,045.66	9,842.13	9,070.64	23.34	22.45	-126.64	-126.64	749.23	1,088.47	1,292.94	1,247.22	45.72	28.279	
9,900.00	9,045.82	9,942.13	9,070.79	24.31	23.30	-126.54	-126.54	849.23	1,087.82	1,292.95	1,245.42	47.53	27.201	
10,000.00	9,045.98	10,042.13	9,070.94	25.34	24.23	-126.44	-126.44	949.23	1,087.18	1,292.96	1,243.46	49.50	26.123	

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 523H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-LEAM MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	9,046.14	10,142.13	9,071.09	26.44	25.23	90.22	1,049.23	1,086.54	1,292.96	1,241.37	51.59	25.061	
10,200.00	9,046.30	10,242.13	9,071.25	27.59	26.30	90.21	1,149.22	1,085.89	1,292.97	1,239.16	53.81	24.030	
10,300.00	9,046.46	10,342.13	9,071.40	28.79	27.42	90.21	1,249.22	1,085.25	1,292.98	1,236.85	56.13	23.037	
10,400.00	9,046.62	10,442.13	9,071.55	30.03	28.59	90.21	1,349.22	1,084.61	1,292.98	1,234.45	58.54	22.088	
10,500.00	9,046.78	10,542.13	9,071.70	31.30	29.81	90.21	1,449.22	1,083.96	1,292.99	1,231.96	61.03	21.186	
10,600.00	9,046.94	10,642.13	9,071.85	32.61	31.06	90.21	1,549.22	1,083.32	1,293.00	1,229.40	63.59	20.332	
10,700.00	9,047.10	10,742.13	9,072.00	33.95	32.35	90.21	1,649.21	1,082.67	1,293.00	1,226.78	66.22	19.525	
10,800.00	9,047.26	10,842.13	9,072.15	35.31	33.67	90.21	1,749.21	1,082.03	1,293.01	1,224.10	68.91	18.765	
10,900.00	9,047.41	10,942.13	9,072.30	36.69	35.02	90.21	1,849.21	1,081.39	1,293.01	1,221.38	71.64	18.049	
11,000.00	9,047.57	11,042.13	9,072.46	38.10	36.39	90.21	1,949.21	1,080.74	1,293.02	1,218.60	74.42	17.376	
11,100.00	9,047.73	11,142.13	9,072.61	39.52	37.78	90.21	2,049.20	1,080.10	1,293.03	1,215.79	77.23	16.742	
11,200.00	9,047.89	11,242.13	9,072.76	40.96	39.19	90.21	2,149.20	1,079.46	1,293.03	1,212.95	80.09	16.146	
11,300.00	9,048.05	11,342.13	9,072.91	42.42	40.62	90.21	2,249.20	1,078.81	1,293.04	1,210.07	82.97	15.585	
11,400.00	9,048.21	11,442.13	9,073.06	43.88	42.07	90.21	2,349.20	1,078.17	1,293.05	1,207.16	85.88	15.056	
11,500.00	9,048.37	11,542.13	9,073.21	45.36	43.52	90.21	2,449.20	1,077.53	1,293.05	1,204.23	88.82	14.558	
11,600.00	9,048.53	11,642.13	9,073.36	46.85	44.99	90.21	2,549.19	1,076.88	1,293.06	1,201.28	91.78	14.089	
11,700.00	9,048.69	11,742.13	9,073.52	48.35	46.47	90.21	2,649.19	1,076.24	1,293.07	1,198.30	94.76	13.645	
11,800.00	9,048.85	11,842.13	9,073.67	49.86	47.97	90.21	2,749.19	1,075.59	1,293.07	1,195.31	97.76	13.226	
11,900.00	9,049.01	11,942.13	9,073.82	51.37	49.47	90.21	2,849.19	1,074.95	1,293.08	1,192.29	100.78	12.830	
12,000.00	9,049.16	12,042.13	9,073.97	52.90	50.98	90.21	2,949.18	1,074.31	1,293.08	1,189.27	103.82	12.455	
12,100.00	9,049.32	12,142.13	9,074.12	54.43	52.50	90.21	3,049.18	1,073.66	1,293.09	1,186.22	106.87	12.100	
12,200.00	9,049.48	12,242.13	9,074.27	55.96	54.02	90.21	3,149.18	1,073.02	1,293.10	1,183.17	109.93	11.763	
12,300.00	9,049.64	12,342.13	9,074.42	57.51	55.55	90.21	3,249.18	1,072.38	1,293.10	1,180.10	113.00	11.443	
12,400.00	9,049.80	12,442.13	9,074.58	59.05	57.09	90.21	3,349.18	1,071.73	1,293.11	1,177.02	116.09	11.139	
12,500.00	9,049.96	12,542.13	9,074.73	60.61	58.63	90.21	3,449.17	1,071.09	1,293.12	1,173.93	119.19	10.850	
12,600.00	9,050.12	12,642.13	9,074.88	62.16	60.18	90.21	3,549.17	1,070.45	1,293.12	1,170.83	122.29	10.574	
12,700.00	9,050.28	12,742.13	9,075.03	63.72	61.73	90.21	3,649.17	1,069.80	1,293.13	1,167.72	125.41	10.312	
12,800.00	9,050.44	12,842.13	9,075.18	65.29	63.29	90.21	3,749.17	1,069.16	1,293.14	1,164.61	128.53	10.061	
12,900.00	9,050.60	12,942.13	9,075.33	66.86	64.85	90.21	3,849.17	1,068.51	1,293.14	1,161.48	131.66	9.822	
13,000.00	9,050.76	13,042.13	9,075.48	68.43	66.41	90.21	3,949.16	1,067.87	1,293.15	1,158.35	134.80	9.593	
13,100.00	9,050.92	13,142.13	9,075.64	70.00	67.98	90.20	4,049.16	1,067.23	1,293.15	1,155.21	137.94	9.375	
13,200.00	9,051.07	13,242.13	9,075.79	71.58	69.55	90.20	4,149.16	1,066.58	1,293.16	1,152.07	141.09	9.165	
13,300.00	9,051.23	13,342.13	9,075.94	73.16	71.13	90.20	4,249.16	1,065.94	1,293.17	1,148.92	144.25	8.965	
13,400.00	9,051.39	13,442.13	9,076.09	74.74	72.71	90.20	4,349.15	1,065.30	1,293.17	1,145.76	147.41	8.773	
13,500.00	9,051.55	13,542.13	9,076.24	76.33	74.29	90.20	4,449.15	1,064.65	1,293.18	1,142.60	150.58	8.588	
13,600.00	9,051.71	13,642.13	9,076.39	77.92	75.87	90.20	4,549.15	1,064.01	1,293.19	1,139.44	153.75	8.411	
13,700.00	9,051.87	13,742.13	9,076.54	79.51	77.46	90.20	4,649.15	1,063.37	1,293.19	1,136.27	156.92	8.241	
13,800.00	9,052.03	13,842.13	9,076.69	81.10	79.04	90.20	4,749.15	1,062.72	1,293.20	1,133.10	160.10	8.077	
13,900.00	9,052.19	13,942.13	9,076.85	82.69	80.63	90.20	4,849.14	1,062.08	1,293.21	1,129.92	163.29	7.920	
14,000.00	9,052.35	14,042.13	9,077.00	84.29	82.22	90.20	4,949.14	1,061.43	1,293.21	1,126.74	166.47	7.768	
14,100.00	9,052.51	14,142.13	9,077.15	85.89	83.82	90.20	5,049.14	1,060.79	1,293.22	1,123.55	169.67	7.622	
14,200.00	9,052.67	14,242.13	9,077.30	87.48	85.41	90.20	5,149.14	1,060.15	1,293.22	1,120.36	172.86	7.481	
14,300.00	9,052.83	14,342.13	9,077.45	89.08	87.01	90.20	5,249.13	1,059.50	1,293.23	1,117.17	176.06	7.345	
14,400.00	9,052.98	14,442.13	9,077.60	90.69	88.61	90.20	5,349.13	1,058.86	1,293.24	1,113.98	179.26	7.214	
14,500.00	9,053.14	14,542.13	9,077.75	92.29	90.21	90.20	5,449.13	1,058.22	1,293.24	1,110.78	182.46	7.088	
14,600.00	9,053.30	14,642.13	9,077.91	93.89	91.81	90.20	5,549.13	1,057.57	1,293.25	1,107.58	185.67	6.965	
14,700.00	9,053.46	14,742.13	9,078.06	95.50	93.41	90.20	5,649.13	1,056.93	1,293.26	1,104.38	188.88	6.847	
14,800.00	9,053.62	14,842.13	9,078.21	97.10	95.02	90.20	5,749.12	1,056.29	1,293.26	1,101.18	192.09	6.733	
14,900.00	9,053.78	14,942.13	9,078.36	98.71	96.62	90.20	5,849.12	1,055.64	1,293.27	1,097.97	195.30	6.622	
15,000.00	9,053.94	15,042.13	9,078.51	100.32	98.23	90.20	5,949.12	1,055.00	1,293.28	1,094.76	198.52	6.515	
15,100.00	9,054.10	15,142.13	9,078.66	101.93	99.83	90.20	6,049.12	1,054.35	1,293.28	1,091.55	201.73	6.411	
15,200.00	9,054.26	15,242.13	9,078.81	103.54	101.44	90.20	6,149.12	1,053.71	1,293.29	1,088.34	204.95	6.310	

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Belloq 11-2 Fed State Com - Belloq 11-2 Fed State Com 523H - OH - Plan #1												Offset Site Error:	0.00 usft
Survey Program: O-LEAM MWD+HDGM												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)					
15,300.00	9,054.42	15,342.13	9,078.97	105.15	103.05	90.20	6,249.11	1,053.07	1,293.29	1,085.12	208.17	6.213	
15,400.00	9,054.58	15,442.13	9,079.12	106.77	104.66	90.20	6,349.11	1,052.42	1,293.30	1,081.90	211.40	6.118	
15,500.00	9,054.73	15,542.13	9,079.27	108.38	106.27	90.20	6,449.11	1,051.78	1,293.31	1,078.69	214.62	6.026	
15,600.00	9,054.89	15,642.13	9,079.42	109.99	107.89	90.20	6,549.11	1,051.14	1,293.31	1,075.47	217.85	5.937	
15,700.00	9,055.05	15,742.13	9,079.57	111.61	109.50	90.20	6,649.10	1,050.49	1,293.32	1,072.24	221.08	5.850	
15,800.00	9,055.21	15,842.13	9,079.72	113.22	111.11	90.20	6,749.10	1,049.85	1,293.33	1,069.02	224.31	5.766	
15,900.00	9,055.37	15,942.13	9,079.87	114.84	112.73	90.20	6,849.10	1,049.21	1,293.33	1,065.80	227.54	5.684	
16,000.00	9,055.53	16,042.13	9,080.03	116.46	114.34	90.19	6,949.10	1,048.56	1,293.34	1,062.57	230.77	5.604	
16,100.00	9,055.69	16,142.13	9,080.18	118.07	115.96	90.19	7,049.10	1,047.92	1,293.35	1,059.34	234.00	5.527	
16,200.00	9,055.85	16,242.13	9,080.33	119.69	117.57	90.19	7,149.09	1,047.27	1,293.35	1,056.11	237.24	5.452	
16,300.00	9,056.01	16,342.13	9,080.48	121.31	119.19	90.19	7,249.09	1,046.63	1,293.36	1,052.88	240.47	5.378	
16,400.00	9,056.17	16,442.13	9,080.63	122.93	120.81	90.19	7,349.09	1,045.99	1,293.36	1,049.65	243.71	5.307	
16,500.00	9,056.33	16,542.13	9,080.78	124.55	122.43	90.19	7,449.09	1,045.34	1,293.37	1,046.42	246.95	5.237	
16,600.00	9,056.49	16,642.13	9,080.93	126.17	124.05	90.19	7,549.08	1,044.70	1,293.38	1,043.19	250.19	5.170	
16,700.00	9,056.64	16,742.13	9,081.08	127.79	125.67	90.19	7,649.08	1,044.06	1,293.38	1,039.95	253.43	5.104	
16,800.00	9,056.80	16,842.13	9,081.24	129.41	127.29	90.19	7,749.08	1,043.41	1,293.39	1,036.72	256.67	5.039	
16,900.00	9,056.96	16,942.13	9,081.39	131.03	128.91	90.19	7,849.08	1,042.77	1,293.40	1,033.48	259.91	4.976	
17,000.00	9,057.12	17,042.13	9,081.54	132.66	130.53	90.19	7,949.08	1,042.13	1,293.40	1,030.25	263.16	4.915	
17,100.00	9,057.28	17,142.13	9,081.69	134.28	132.15	90.19	8,049.07	1,041.48	1,293.41	1,027.01	266.40	4.855	
17,200.00	9,057.44	17,242.13	9,081.84	135.90	133.77	90.19	8,149.07	1,040.84	1,293.42	1,023.77	269.65	4.797	
17,300.00	9,057.60	17,342.13	9,081.99	137.52	135.39	90.19	8,249.07	1,040.19	1,293.42	1,020.53	272.89	4.740	
17,400.00	9,057.76	17,442.13	9,082.14	139.15	137.02	90.19	8,349.07	1,039.55	1,293.43	1,017.29	276.14	4.684	
17,500.00	9,057.92	17,542.13	9,082.30	140.77	138.64	90.19	8,449.06	1,038.91	1,293.44	1,014.05	279.39	4.630	
17,600.00	9,058.08	17,642.13	9,082.45	142.40	140.26	90.19	8,549.06	1,038.26	1,293.44	1,010.81	282.64	4.576	
17,700.00	9,058.24	17,742.13	9,082.60	144.02	141.89	90.19	8,649.06	1,037.62	1,293.45	1,007.56	285.89	4.524	
17,800.00	9,058.40	17,842.13	9,082.75	145.65	143.51	90.19	8,749.06	1,036.98	1,293.45	1,004.32	289.13	4.474	
17,900.00	9,058.55	17,942.13	9,082.90	147.27	145.14	90.19	8,849.06	1,036.33	1,293.46	1,001.08	292.39	4.424	
18,000.00	9,058.71	18,042.13	9,083.05	148.90	146.76	90.19	8,949.05	1,035.69	1,293.47	997.83	295.64	4.375	
18,100.00	9,058.87	18,142.13	9,083.20	150.52	148.39	90.19	9,049.05	1,035.05	1,293.47	994.59	298.89	4.328	
18,200.00	9,059.03	18,242.13	9,083.36	152.15	150.01	90.19	9,149.05	1,034.40	1,293.48	991.34	302.14	4.281	
18,300.00	9,059.19	18,342.13	9,083.51	153.78	151.64	90.19	9,249.05	1,033.76	1,293.49	988.09	305.39	4.235	
18,400.00	9,059.35	18,442.13	9,083.66	155.40	153.26	90.19	9,349.05	1,033.11	1,293.49	984.85	308.65	4.191	
18,500.00	9,059.51	18,542.13	9,083.81	157.03	154.89	90.19	9,449.04	1,032.47	1,293.50	981.60	311.90	4.147	
18,600.00	9,059.67	18,642.13	9,083.96	158.66	156.52	90.19	9,549.04	1,031.83	1,293.51	978.35	315.15	4.104	
18,700.00	9,059.83	18,742.13	9,084.11	160.29	158.14	90.19	9,649.04	1,031.18	1,293.51	975.10	318.41	4.062	
18,800.00	9,059.99	18,842.13	9,084.26	161.92	159.77	90.19	9,749.04	1,030.54	1,293.52	971.85	321.67	4.021	
18,808.61	9,060.00	18,850.75	9,084.28	162.06	159.91	90.19	9,757.65	1,030.49	1,293.52	971.57	321.95	4.018 ES, SF	

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Belloq 2 State - 2H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 225-MWD-ISCWSA, 771-LEAM MWD+HDGM, 16141-Project													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,200.00	9,057.44	9,013.25	9,011.16	135.90	17.49	69.79	10,054.18	-195.92	1,914.40	1,871.93	42.47	45.074		
17,300.00	9,057.60	9,015.03	9,012.93	137.52	17.49	71.09	10,054.21	-195.95	1,814.48	1,771.80	42.67	42.520		
17,400.00	9,057.76	9,016.75	9,014.65	139.15	17.50	72.37	10,054.23	-195.97	1,714.56	1,671.67	42.89	39.975		
17,500.00	9,057.92	9,018.42	9,016.32	140.77	17.50	73.63	10,054.25	-195.99	1,614.66	1,571.53	43.13	37.440		
17,600.00	9,058.08	9,020.04	9,017.94	142.40	17.50	74.87	10,054.26	-196.02	1,514.76	1,471.38	43.38	34.915		
17,700.00	9,058.24	9,021.61	9,019.51	144.02	17.51	76.09	10,054.28	-196.04	1,414.88	1,371.21	43.67	32.397		
17,800.00	9,058.40	9,023.14	9,021.04	145.65	17.51	77.29	10,054.30	-196.06	1,315.01	1,271.02	44.00	29.888		
17,900.00	9,058.55	9,024.62	9,022.52	147.27	17.51	78.47	10,054.31	-196.09	1,215.17	1,170.80	44.37	27.385		
18,000.00	9,058.71	9,026.06	9,023.97	148.90	17.52	79.62	10,054.33	-196.11	1,115.35	1,070.54	44.81	24.888		
18,100.00	9,058.87	9,027.47	9,025.37	150.52	17.52	80.75	10,054.34	-196.13	1,015.57	970.22	45.35	22.396		
18,200.00	9,059.03	9,028.83	9,026.73	152.15	17.52	81.86	10,054.36	-196.15	915.83	869.82	46.01	19.907		
18,300.00	9,059.19	9,030.16	9,028.06	153.78	17.52	82.94	10,054.37	-196.17	816.15	769.30	46.85	17.420		
18,400.00	9,059.35	9,031.45	9,029.35	155.40	17.53	84.00	10,054.39	-196.19	716.56	668.58	47.98	14.934		
18,500.00	9,059.51	9,032.71	9,030.61	157.03	17.53	85.04	10,054.40	-196.21	617.10	567.55	49.56	12.452		
18,600.00	9,059.67	9,033.94	9,031.84	158.66	17.53	86.05	10,054.41	-196.23	517.85	465.96	51.89	9.979		
18,700.00	9,059.83	9,035.13	9,033.03	160.29	17.53	87.04	10,054.42	-196.25	418.95	363.34	55.61	7.533		
18,800.00	9,059.99	9,036.30	9,034.20	161.92	17.54	88.01	10,054.43	-196.26	320.73	258.59	62.14	5.162		
18,808.61	9,060.00	9,036.40	9,034.30	162.06	17.54	88.09	10,054.43	-196.27	312.32	249.40	62.92	4.964 CC, ES, SF		

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Belloq 2 State - 5H - OH - OH												Offset Well Error:	0.00 usft
Survey Program: 115-MWD-ISCWSA, 9477-LEAM MWD+HDGM, 14380-Project													
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,800.00	9,050.44	14,380.00	10,152.89	65.29	75.08	166.82	5,310.91	29.05	1,948.67	1,887.62	61.04	31.923	
12,900.00	9,050.60	14,380.00	10,152.89	66.86	75.08	166.82	5,310.91	29.05	1,869.03	1,806.71	62.31	29.994	
13,000.00	9,050.76	14,380.00	10,152.89	68.43	75.08	166.82	5,310.91	29.05	1,791.43	1,727.75	63.68	28.131	
13,100.00	9,050.92	14,380.00	10,152.89	70.00	75.08	166.82	5,310.91	29.05	1,716.16	1,651.01	65.15	26.342	
13,200.00	9,051.07	14,380.00	10,152.89	71.58	75.08	166.82	5,310.91	29.05	1,643.52	1,576.81	66.71	24.635	
13,300.00	9,051.23	14,380.00	10,152.89	73.16	75.08	166.82	5,310.91	29.05	1,573.89	1,505.52	68.37	23.020	
13,400.00	9,051.39	14,380.00	10,152.89	74.74	75.08	166.82	5,310.91	29.05	1,507.68	1,437.57	70.10	21.506	
13,500.00	9,051.55	14,380.00	10,152.89	76.33	75.08	166.82	5,310.91	29.05	1,445.36	1,373.46	71.90	20.103	
13,600.00	9,051.71	14,380.00	10,152.89	77.92	75.08	166.82	5,310.91	29.05	1,387.45	1,313.73	73.72	18.820	
13,700.00	9,051.87	14,380.00	10,152.89	79.51	75.08	166.82	5,310.91	29.05	1,334.54	1,259.01	75.53	17.668	
13,800.00	9,052.03	14,380.00	10,152.89	81.10	75.08	166.82	5,310.91	29.05	1,287.23	1,209.95	77.28	16.657	
13,900.00	9,052.19	14,380.00	10,152.89	82.69	75.08	166.82	5,310.91	29.05	1,246.17	1,167.28	78.89	15.796	
14,000.00	9,052.35	14,380.00	10,152.89	84.29	75.08	166.82	5,310.91	29.05	1,211.98	1,131.68	80.29	15.094	
14,100.00	9,052.51	14,380.00	10,152.89	85.89	75.08	166.82	5,310.91	29.05	1,185.27	1,103.85	81.42	14.558	
14,200.00	9,052.67	14,380.00	10,152.89	87.48	75.08	166.82	5,310.91	29.05	1,166.54	1,084.35	82.20	14.192	
14,300.00	9,052.83	14,380.00	10,152.89	89.08	75.08	166.82	5,310.91	29.05	1,156.20	1,073.62	82.58	14.001	
14,400.00	9,052.98	14,309.71	10,151.19	90.69	74.85	166.97	5,381.06	25.00	1,152.19	1,069.29	82.90	13.899	
14,500.00	9,053.14	14,221.98	10,149.70	92.29	73.57	167.17	5,468.63	19.92	1,149.23	1,066.43	82.80	13.880	
14,600.00	9,053.30	14,134.02	10,149.30	93.89	72.28	167.42	5,556.39	14.04	1,147.31	1,064.66	82.65	13.882	
14,700.00	9,053.46	14,048.93	10,150.09	95.50	71.04	167.71	5,641.25	7.78	1,146.61	1,064.14	82.47	13.903	
14,709.14	9,053.48	14,040.37	10,150.24	95.65	70.91	167.74	5,649.78	7.12	1,146.61	1,064.16	82.45	13.907	
14,800.00	9,053.62	13,959.00	10,152.08	97.10	69.71	168.10	5,730.78	-0.43	1,146.86	1,064.68	82.18	13.956	
14,900.00	9,053.78	13,865.00	10,155.11	98.71	68.28	168.55	5,824.27	-9.68	1,148.01	1,066.19	81.82	14.031	
15,000.00	9,053.94	13,743.00	10,158.32	100.32	66.40	169.11	5,945.67	-21.27	1,148.77	1,067.49	81.28	14.134	
15,100.00	9,054.10	13,617.52	10,158.60	101.93	64.47	169.70	6,070.50	-34.05	1,147.03	1,066.34	80.69	14.215	
15,200.00	9,054.26	13,510.54	10,157.28	103.54	62.85	170.19	6,176.91	-44.91	1,143.98	1,063.69	80.30	14.247	
15,300.00	9,054.42	13,414.84	10,155.88	105.15	61.44	170.59	6,272.18	-53.94	1,140.91	1,060.85	80.05	14.252	
15,400.00	9,054.58	13,328.00	10,155.06	106.77	60.15	170.91	6,358.73	-61.01	1,138.62	1,058.67	79.94	14.243	
15,500.00	9,054.73	13,227.55	10,154.78	108.38	58.66	171.20	6,458.95	-67.69	1,137.25	1,057.46	79.78	14.254	
15,600.00	9,054.89	13,117.37	10,153.46	109.99	57.06	171.47	6,568.94	-73.98	1,135.15	1,055.54	79.61	14.259	
15,700.00	9,055.05	13,034.20	10,152.39	111.61	55.87	171.61	6,652.03	-77.43	1,133.23	1,053.55	79.67	14.223	
15,800.00	9,055.21	12,933.49	10,152.23	113.22	54.42	171.78	6,752.65	-81.59	1,132.40	1,052.77	79.63	14.220	
15,900.00	9,055.37	12,830.24	10,151.87	114.84	52.93	172.06	6,855.70	-88.05	1,131.12	1,051.61	79.51	14.226	
16,000.00	9,055.53	12,727.00	10,151.43	116.46	51.45	172.43	6,958.62	-96.09	1,129.57	1,050.22	79.34	14.236	
16,100.00	9,055.69	12,633.00	10,151.35	118.07	50.10	172.83	7,052.23	-104.69	1,128.22	1,049.01	79.22	14.242	
16,200.00	9,055.85	12,533.13	10,151.51	119.69	48.69	173.26	7,151.67	-113.88	1,127.19	1,048.13	79.06	14.257	
16,300.00	9,056.01	12,444.00	10,152.01	121.31	47.46	173.64	7,240.43	-121.98	1,126.62	1,047.62	79.01	14.260	
16,310.46	9,056.02	12,434.13	10,152.12	121.48	47.32	173.69	7,250.26	-122.91	1,126.62	1,047.62	79.00	14.262	
16,400.00	9,056.17	12,349.00	10,153.33	122.93	46.12	174.06	7,335.03	-130.59	1,126.95	1,048.02	78.93	14.279	
16,500.00	9,056.33	12,220.00	10,154.63	124.55	44.26	174.63	7,463.46	-142.61	1,127.17	1,048.52	78.65	14.332	
16,600.00	9,056.49	12,065.16	10,147.54	126.17	42.07	175.19	7,617.59	-155.40	1,121.28	1,043.07	78.21	14.336	
16,700.00	9,056.64	11,970.00	10,141.64	127.79	40.80	175.45	7,712.37	-161.54	1,114.47	1,036.18	78.29	14.235	
16,800.00	9,056.80	11,875.00	10,136.09	129.41	39.57	175.70	7,807.02	-167.41	1,108.06	1,029.67	78.39	14.135	
16,900.00	9,056.96	11,804.95	10,133.17	131.03	38.69	175.91	7,876.84	-172.27	1,103.29	1,024.63	78.65	14.027	
17,000.00	9,057.12	11,718.43	10,131.61	132.66	37.59	176.22	7,963.10	-178.80	1,100.80	1,022.00	78.80	13.970	
17,100.00	9,057.28	11,620.27	10,130.22	134.28	36.34	176.57	8,060.96	-186.33	1,098.78	1,019.88	78.90	13.927	
17,200.00	9,057.44	11,529.50	10,129.18	135.90	35.21	176.87	8,151.50	-192.68	1,097.13	1,018.07	79.06	13.877	
17,300.00	9,057.60	11,432.86	10,128.87	137.52	33.98	177.14	8,247.97	-198.45	1,096.36	1,017.12	79.24	13.836	
17,400.00	9,057.76	11,327.50	10,128.20	139.15	32.66	177.36	8,353.20	-203.38	1,095.37	1,015.94	79.43	13.791	
17,500.00	9,057.92	11,234.06	10,127.46	140.77	31.55	177.52	8,446.56	-207.23	1,094.28	1,014.59	79.69	13.732	
17,600.00	9,058.08	11,131.16	10,127.08	142.40	30.39	177.67	8,549.40	-210.68	1,093.64	1,013.69	79.95	13.679	
17,675.68	9,058.20	11,065.54	10,126.89	143.63	29.66	177.81	8,614.95	-213.79	1,093.19	1,013.00	80.19	13.632	

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Bellq 2 State - 5H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 115-MWD-ISCWSA, 9477-LEAM MWD+HDGM, 14380-Project													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
17,700.00	9,058.24	11,045.61	10,126.99	144.02	29.43	177.85	8,634.86	-214.77	1,093.24	1,012.97	80.27	13.619		
17,800.00	9,058.40	9,052.00	9,046.38	145.65	19.21	-125.08	9,834.15	-277.71	1,093.68	1,049.79	43.89	24.919		
17,900.00	9,058.55	9,052.00	9,046.38	147.27	19.21	-125.08	9,834.15	-277.71	993.69	949.69	44.00	22.582		
18,000.00	9,058.71	9,048.53	9,042.91	148.90	19.21	-114.63	9,834.18	-277.67	893.70	849.59	44.11	20.261		
18,100.00	9,058.87	9,047.83	9,042.21	150.52	19.20	-112.25	9,834.18	-277.66	793.72	749.49	44.23	17.946		
18,200.00	9,059.03	9,047.12	9,041.50	152.15	19.20	-109.75	9,834.19	-277.65	693.74	649.38	44.35	15.641		
18,300.00	9,059.19	9,046.39	9,040.78	153.78	19.20	-107.12	9,834.20	-277.64	593.76	549.27	44.49	13.345		
18,400.00	9,059.35	9,045.66	9,040.04	155.40	19.20	-104.37	9,834.20	-277.63	493.80	449.13	44.67	11.055		
18,500.00	9,059.51	9,044.92	9,039.30	157.03	19.20	-101.50	9,834.21	-277.63	393.85	348.95	44.91	8.770		
18,600.00	9,059.67	9,044.16	9,038.55	158.66	19.20	-98.53	9,834.22	-277.62	293.94	248.59	45.35	6.481		
18,700.00	9,059.83	9,043.40	9,037.78	160.29	19.20	-95.46	9,834.23	-277.61	194.12	147.57	46.55	4.170		
18,800.00	9,059.99	9,042.62	9,037.00	161.92	19.19	-92.31	9,834.23	-277.60	94.66	41.81	52.85	1.791		
18,808.61	9,060.00	9,042.55	9,036.93	162.06	19.19	-92.03	9,834.23	-277.60	86.15	31.74	54.42	1.583 CC, ES, SF		

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft
Survey Program: 109-MWD-ISCWSA, 744-LEAM MWD+HDGM, 14955-Project													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
13,000.00	9,050.76	14,955.00	10,353.19	68.43	76.77	159.46	5,287.57	262.10	1,952.08	1,878.44	73.63	26.511			
13,100.00	9,050.92	14,955.00	10,353.19	70.00	76.77	159.46	5,287.57	262.10	1,884.54	1,809.12	75.41	24.990			
13,200.00	9,051.07	14,955.00	10,353.19	71.58	76.77	159.46	5,287.57	262.10	1,819.99	1,742.73	77.26	23.558			
13,300.00	9,051.23	14,955.00	10,353.19	73.16	76.77	159.46	5,287.57	262.10	1,758.76	1,679.60	79.15	22.220			
13,400.00	9,051.39	14,955.00	10,353.19	74.74	76.77	159.46	5,287.57	262.10	1,701.20	1,620.13	81.08	20.983			
13,500.00	9,051.55	14,955.00	10,353.19	76.33	76.77	159.46	5,287.57	262.10	1,647.72	1,564.71	83.01	19.851			
13,600.00	9,051.71	14,955.00	10,353.19	77.92	76.77	159.46	5,287.57	262.10	1,598.70	1,513.80	84.90	18.830			
13,700.00	9,051.87	14,955.00	10,353.19	79.51	76.77	159.46	5,287.57	262.10	1,554.58	1,467.85	86.73	17.924			
13,800.00	9,052.03	14,955.00	10,353.19	81.10	76.77	159.46	5,287.57	262.10	1,515.78	1,427.34	88.44	17.139			
13,900.00	9,052.19	14,955.00	10,353.19	82.69	76.77	159.46	5,287.57	262.10	1,482.72	1,392.74	89.98	16.479			
14,000.00	9,052.35	14,955.00	10,353.19	84.29	76.77	159.46	5,287.57	262.10	1,455.79	1,364.50	91.29	15.946			
14,100.00	9,052.51	14,955.00	10,353.19	85.89	76.77	159.46	5,287.57	262.10	1,435.34	1,343.00	92.34	15.544			
14,200.00	9,052.67	14,955.00	10,353.19	87.48	76.77	159.46	5,287.57	262.10	1,421.64	1,328.57	93.08	15.274			
14,300.00	9,052.83	14,955.00	10,353.19	89.08	76.77	159.46	5,287.57	262.10	1,414.90	1,321.44	93.47	15.138			
14,400.00	9,052.98	14,882.98	10,352.31	90.69	76.75	159.45	5,359.59	261.72	1,413.38	1,319.21	94.16	15.010			
14,500.00	9,053.14	14,763.90	10,350.12	92.29	74.99	159.43	5,478.63	260.45	1,411.33	1,317.21	94.12	14.995			
14,600.00	9,053.30	14,657.81	10,347.83	93.89	73.42	159.47	5,584.67	257.94	1,408.56	1,314.47	94.09	14.970			
14,700.00	9,053.46	14,559.86	10,345.67	95.50	71.97	159.54	5,682.54	254.51	1,405.36	1,311.30	94.06	14.941			
14,800.00	9,053.62	14,467.42	10,345.10	97.10	70.59	159.70	5,774.84	249.53	1,402.96	1,309.02	93.94	14.934			
14,900.00	9,053.78	14,347.67	10,344.14	98.71	68.80	159.95	5,894.33	241.78	1,400.07	1,306.53	93.54	14.967			
15,000.00	9,053.94	14,243.83	10,342.62	100.32	67.28	160.23	5,997.81	233.28	1,395.97	1,302.76	93.21	14.977			
15,100.00	9,054.10	14,163.48	10,342.31	101.93	66.12	160.49	6,077.80	225.76	1,392.54	1,299.49	93.05	14.966			
15,200.00	9,054.26	14,088.07	10,343.36	103.54	65.02	160.76	6,152.89	218.76	1,390.84	1,297.93	92.90	14.971			
15,244.43	9,054.33	14,054.72	10,344.20	104.26	64.53	160.87	6,186.10	215.86	1,390.66	1,297.82	92.83	14.980			
15,300.00	9,054.42	13,997.04	10,345.96	105.15	63.68	161.07	6,243.55	211.05	1,390.78	1,298.17	92.61	15.018			
15,400.00	9,054.58	13,891.43	10,348.25	106.77	62.14	161.44	6,348.71	201.64	1,390.01	1,297.82	92.18	15.079			
15,442.29	9,054.64	13,856.14	10,349.20	107.45	61.62	161.56	6,383.84	198.44	1,389.90	1,297.81	92.08	15.094			
15,500.00	9,054.73	13,801.64	10,350.84	108.38	60.81	161.75	6,438.12	193.73	1,390.00	1,298.10	91.90	15.126			
15,600.00	9,054.89	13,698.32	10,353.29	109.99	59.26	162.03	6,541.17	186.81	1,390.23	1,298.62	91.61	15.176			
15,700.00	9,055.05	13,575.63	10,354.46	111.61	57.48	162.26	6,663.69	180.49	1,389.64	1,298.34	91.30	15.221			
15,800.00	9,055.21	13,479.83	10,354.55	113.22	56.14	162.45	6,759.33	174.99	1,388.04	1,296.86	91.18	15.224			
15,900.00	9,055.37	13,378.78	10,355.14	114.84	54.68	162.68	6,860.18	168.68	1,386.77	1,295.79	90.98	15.243			
16,000.00	9,055.53	13,250.89	10,354.67	116.46	52.86	163.03	6,987.67	158.59	1,384.04	1,293.55	90.49	15.296			
16,100.00	9,055.69	13,158.73	10,354.35	118.07	51.56	163.33	7,079.46	150.34	1,381.13	1,290.86	90.27	15.299			
16,200.00	9,055.85	13,056.81	10,353.98	119.69	50.11	163.69	7,180.91	140.57	1,378.08	1,288.14	89.95	15.321			
16,300.00	9,056.01	12,969.38	10,353.89	121.31	48.91	163.95	7,268.05	133.46	1,375.73	1,285.90	89.83	15.315			
16,400.00	9,056.17	12,875.86	10,354.38	122.93	47.64	164.24	7,361.25	125.74	1,373.99	1,284.34	89.65	15.326			
16,500.00	9,056.33	12,779.52	10,355.62	124.55	46.29	164.57	7,457.20	117.13	1,372.84	1,283.43	89.41	15.355			
16,600.00	9,056.49	12,667.20	10,356.46	126.17	44.68	164.98	7,569.00	106.45	1,371.05	1,282.04	89.01	15.403			
16,700.00	9,056.64	12,568.99	10,356.68	127.79	43.33	165.30	7,666.84	97.86	1,369.04	1,280.23	88.80	15.417			
16,800.00	9,056.80	12,475.36	10,356.95	129.41	42.06	165.58	7,760.17	90.52	1,367.35	1,278.66	88.69	15.418			
16,900.00	9,056.96	12,376.94	10,357.94	131.03	40.68	165.91	7,858.21	81.82	1,366.15	1,277.67	88.48	15.439			
17,000.00	9,057.12	12,267.83	10,358.63	132.66	39.18	166.29	7,966.86	71.93	1,364.58	1,276.38	88.21	15.471			
17,100.00	9,057.28	12,173.76	10,358.90	134.28	37.99	166.62	8,060.53	63.27	1,362.72	1,274.64	88.08	15.472			
17,200.00	9,057.44	12,081.90	10,360.04	135.90	36.83	166.98	8,151.93	54.20	1,361.65	1,273.70	87.94	15.483			
17,300.00	9,057.60	11,974.76	10,361.64	137.52	35.40	167.43	8,258.46	42.79	1,360.74	1,273.08	87.66	15.523			
17,400.00	9,057.76	11,855.39	10,362.05	139.15	33.78	167.93	8,377.14	30.03	1,358.77	1,271.47	87.31	15.563			
17,500.00	9,057.92	11,738.71	10,360.78	140.77	32.28	168.36	8,493.23	18.39	1,355.65	1,268.59	87.05	15.573			
17,600.00	9,058.08	11,627.12	10,357.50	142.40	30.99	168.77	8,604.20	7.16	1,350.66	1,263.77	86.89	15.545			
17,700.00	9,058.24	11,547.53	10,355.90	144.02	30.13	169.04	8,683.43	-0.24	1,346.82	1,259.79	87.02	15.477			
17,800.00	9,058.40	11,456.52	10,354.71	145.65	29.19	169.34	8,774.09	-8.13	1,343.88	1,256.77	87.11	15.428			
17,900.00	9,058.55	9,041.17	9,034.54	147.27	17.77	89.40	10,147.30	-67.59	1,320.24	1,268.08	52.16	25.314			

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

LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Belloq 2 State - 6H - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 109-MWD-ISCWSA, 744-LEAM MWD+HDGM, 14955-Project													Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Distance		Warning								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,000.00	9,058.71	9,041.66	9,035.03	148.90	17.77	89.54	10,147.30	-67.60	1,221.46	1,167.79	53.67	22.761		
18,100.00	9,058.87	9,042.14	9,035.51	150.52	17.77	89.67	10,147.31	-67.61	1,122.90	1,067.41	55.49	20.238		
18,200.00	9,059.03	9,042.61	9,035.98	152.15	17.77	89.81	10,147.31	-67.62	1,024.62	966.91	57.71	17.754		
18,300.00	9,059.19	9,043.07	9,036.44	153.78	17.77	89.94	10,147.31	-67.62	926.70	866.23	60.48	15.323		
18,400.00	9,059.35	9,043.53	9,036.90	155.40	17.77	90.08	10,147.31	-67.63	829.29	765.31	63.98	12.962		
18,500.00	9,059.51	9,043.98	9,037.35	157.03	17.77	90.21	10,147.31	-67.64	732.57	664.05	68.51	10.693		
18,600.00	9,059.67	9,044.42	9,037.79	158.66	17.78	90.34	10,147.31	-67.65	636.86	562.34	74.52	8.546		
18,700.00	9,059.83	9,044.86	9,038.23	160.29	17.78	90.46	10,147.31	-67.66	542.70	459.99	82.71	6.561		
18,800.00	9,059.99	9,045.29	9,038.66	161.92	17.78	90.59	10,147.31	-67.67	451.07	356.81	94.26	4.785		
18,808.61	9,060.00	9,045.33	9,038.70	162.06	17.78	90.60	10,147.31	-67.67	443.34	347.88	95.46	4.644	CC, ES, SF	

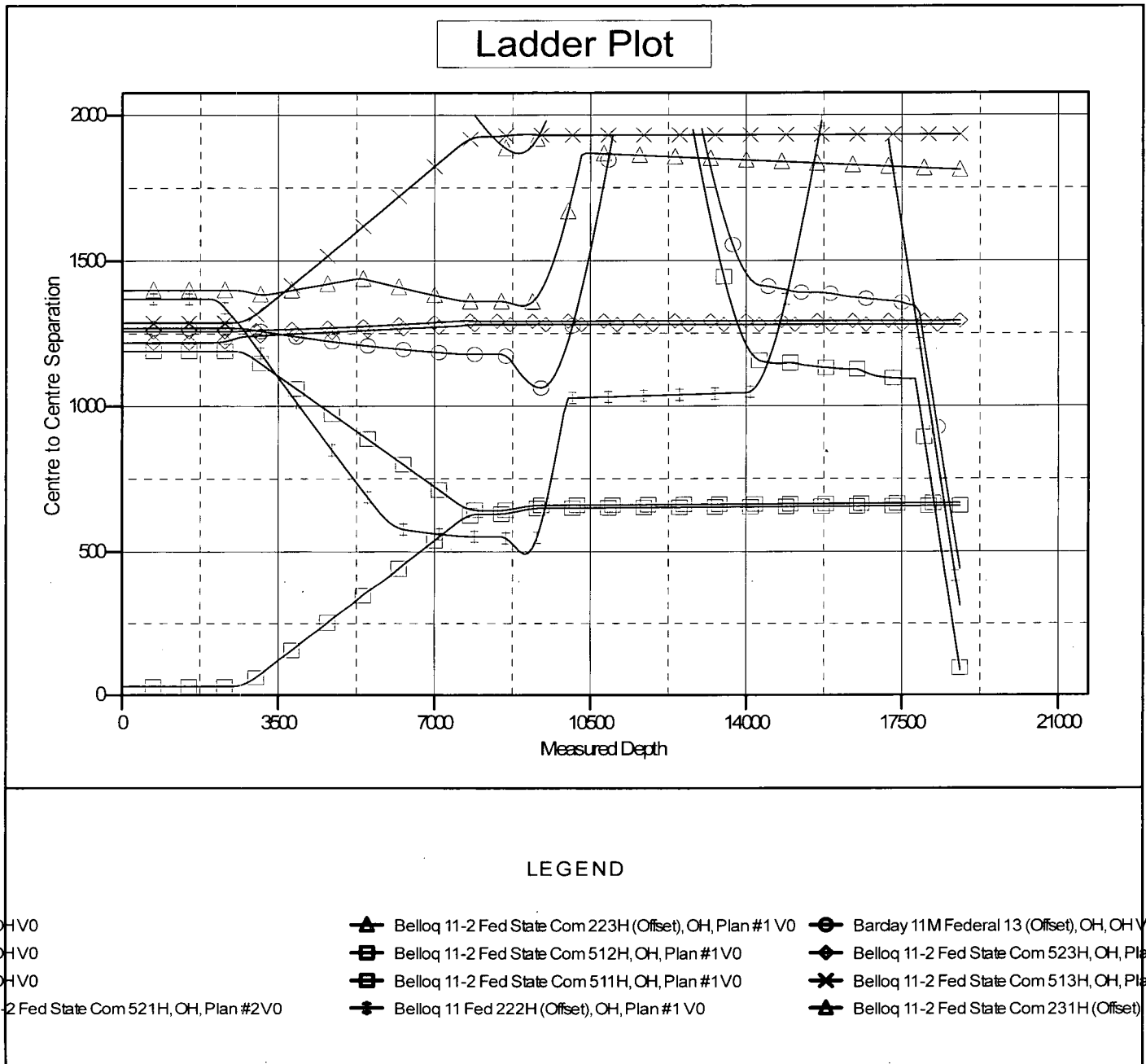
LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 3455.6' GE + 23.5' KB @ 3479.10usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 19' 60.0000 W

Coordinates are relative to: Belloq 11-2 Fed State Com 522H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.31°



LEAM Drilling Services

Anticollision Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Belloq 11-2 Fed State Com 522H
Project:	Eddy County, NM (NAD-83)	TVD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Reference Site:	Belloq 11-2 Fed State Com	MD Reference:	3455.6' GE + 23.5' KB @ 3479.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Belloq 11-2 Fed State Com 522H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Multi User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 3455.6' GE + 23.5' KB @ 3479.10usft

Offset Depths are relative to Offset Datum

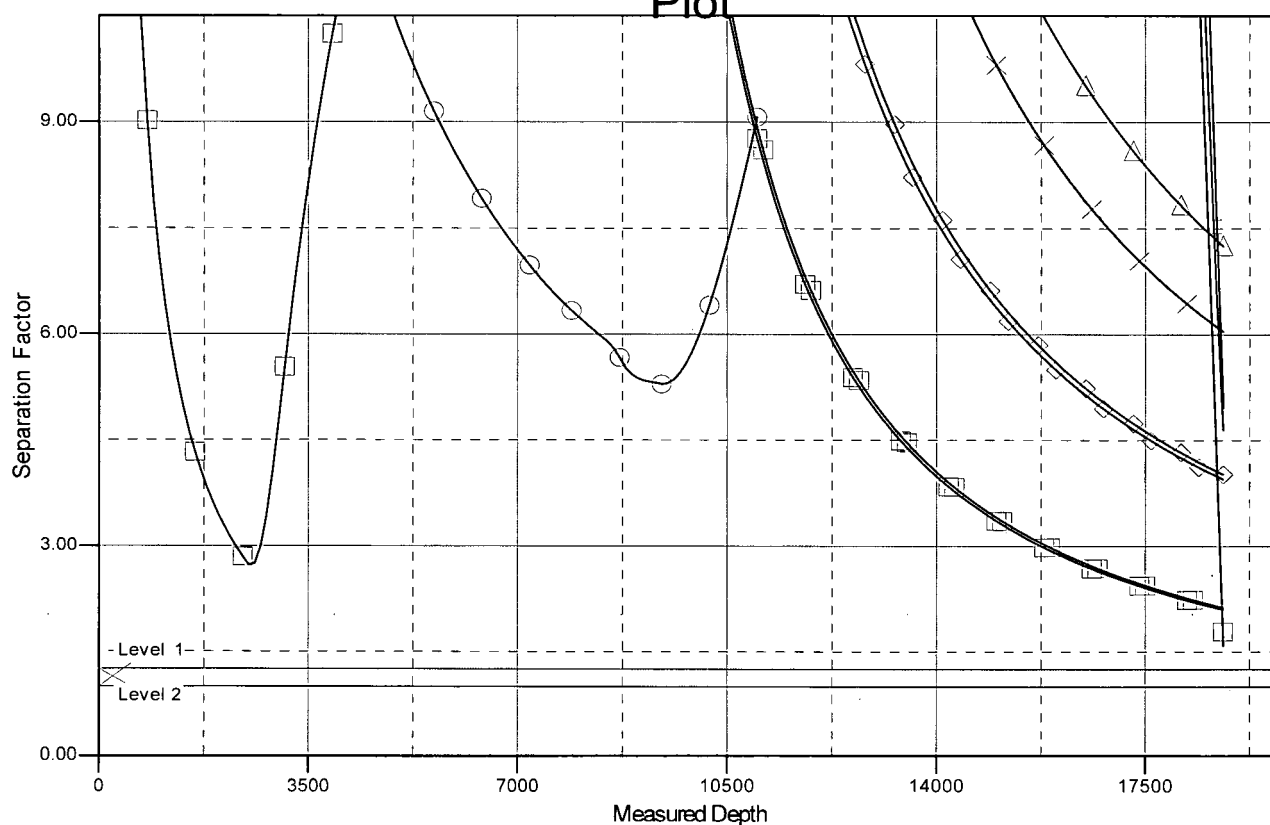
Central Meridian is 104° 19' 60.0000 W

Coordinates are relative to: Belloq 11-2 Fed State Com 522H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.31°

Separation Factor Plot



LEGEND

OHV0	▲ Belloq 11-2 Fed State Com 223H (Offset), OH, Plan #1 V0	● Barday 11M Federal 13 (Offset), OH, OHV0
OHV0	■ Belloq 11-2 Fed State Com 512H, OH, Plan #1 V0	◆ Belloq 11-2 Fed State Com 523H, OH, Plan
OHV0	■ Belloq 11-2 Fed State Com 511H, OH, Plan #1 V0	✕ Belloq 11-2 Fed State Com 513H, OH, Plan
I1-2 Fed State Com 521H, OH, Plan #2 V0	■ Belloq 11 Fed 222H (Offset), OH, Plan #1 V0	▲ Belloq 11-2 Fed State Com 231H (Offset) C

Devon Energy – Belloq 11-2 Fed State Com 522H

1. Geologic Formations

TVD of target	9060	Pilot hole depth	N/A
MD at TD:	18808	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Rustler	739		
Base of Salt	4470		
Delaware	4507		
Leonard	8454		
1BSS	9462		
2BSS	9867		

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

Devon Energy – Belloq 11-2 Fed State Com 522H

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (PPF)	Grade	Conn.
	From	To				
17.5"	0	764	13.375"	48	H-40	STC
12.25"	0	6000	9.625"	40	J-55	BTC
8.75"	0	TD	5.5"	17	P-110	BTC
BLM Minimum Safety Factor				Collapse: 1.125	Burst: 1.00	Tension: 1.6 Dry 1.8 Wet

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.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.
- Variance is requested for collapse rating on intermediate casing. Operator will keep pipe full while running casing. No losses are expected in subsequent hole section.
- Int casing shoe will be selected based on drilling data, gamma, and flows experienced while drilling. Setting depth will be revised accordingly if needed.
- A variance is requested to waive the centralizer requirement for the intermediate and production casing strings if drilling conditions dictate

Devon Energy – Belloq 11-2 Fed State Com 522H

	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 rd 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 nd 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?	

Devon Energy – Belloq 11-2 Fed State Com 522H

3. Cementing Program (3-String Primary Design)

Casing	# Sks	TOC	Wt. (lb/gal)	Yld (ft3/sack)	Slurry Description
Surface	798	Surf	13.2	1.33	Lead: Class C Cement + additives
Int	1115	Surf	9	1.94	Lead: Class C Cement + additives
	197	500' above shoe	13.2	1.33	Tail: Class H / C + additives
Int 1 Two Stage (optional) w/ DV @ ~4500	560	Surf	9	1.94	Stage 1 Lead: Class C Cement + additives
	196	500' above shoe	13.2	1.33	Stage 1 Tail: Class H / C + additives
	580	Surf	9	1.94	Stage 2 Lead: Class C Cement + additives
	196	500' above DV	13.2	1.33	Stage 2 Tail: Class H / C + additives
Int 1 Intermediate Squeeze	As Needed	Surf	13.2	1.33	Squeeze Lead: Class C Cement + additives
	1115	Surf	9	1.94	Lead: Class C Cement + additives
	197	500' above shoe	13.2	1.33	Tail: Class H / C + additives
Production	737	Surf	9	3.27	Lead: Class H / C + additives
	2157	KOP	13.2	1.33	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	100%
Intermediate	50%
Production	10%

Devon Energy – Belloq 11-2 Fed State Com 522H

4. Pressure Control Equipment

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

Devon Energy – Belloq 11-2 Fed State Com 522H

5. Mud Program

Interval	Type	Weight (ppg)	Vis	Water Loss
Surface	FW	8.5 – 9.0	28-34	N/C
Intermediate	Brine	10 – 10.5	28-34	N/C
Production	WBM	8.5 – 9.0	28-34	N/C

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	Production casing
X Mud log	KOP to TD

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4240 psi
Abnormal Temperature	No

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

Hydrogen Sulfide (H ₂ S) monitors will be installed prior to drilling out the surface shoe. If H ₂ S 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	H ₂ S is present
Y	H ₂ S 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.

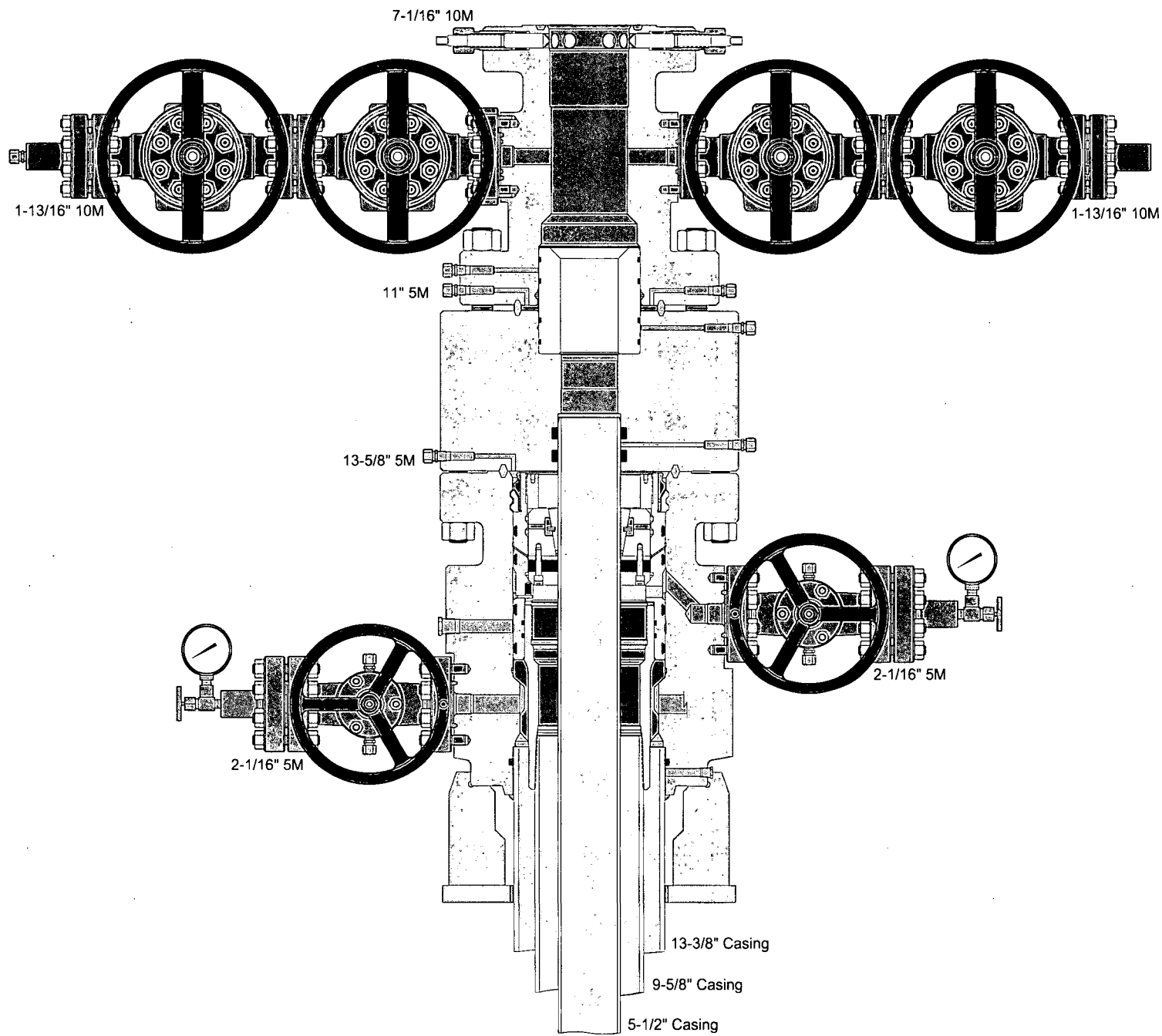
NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

1. Spudder rig will move in and 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 the 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

- ☒ Directional Plan
☐ Other, describe



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.

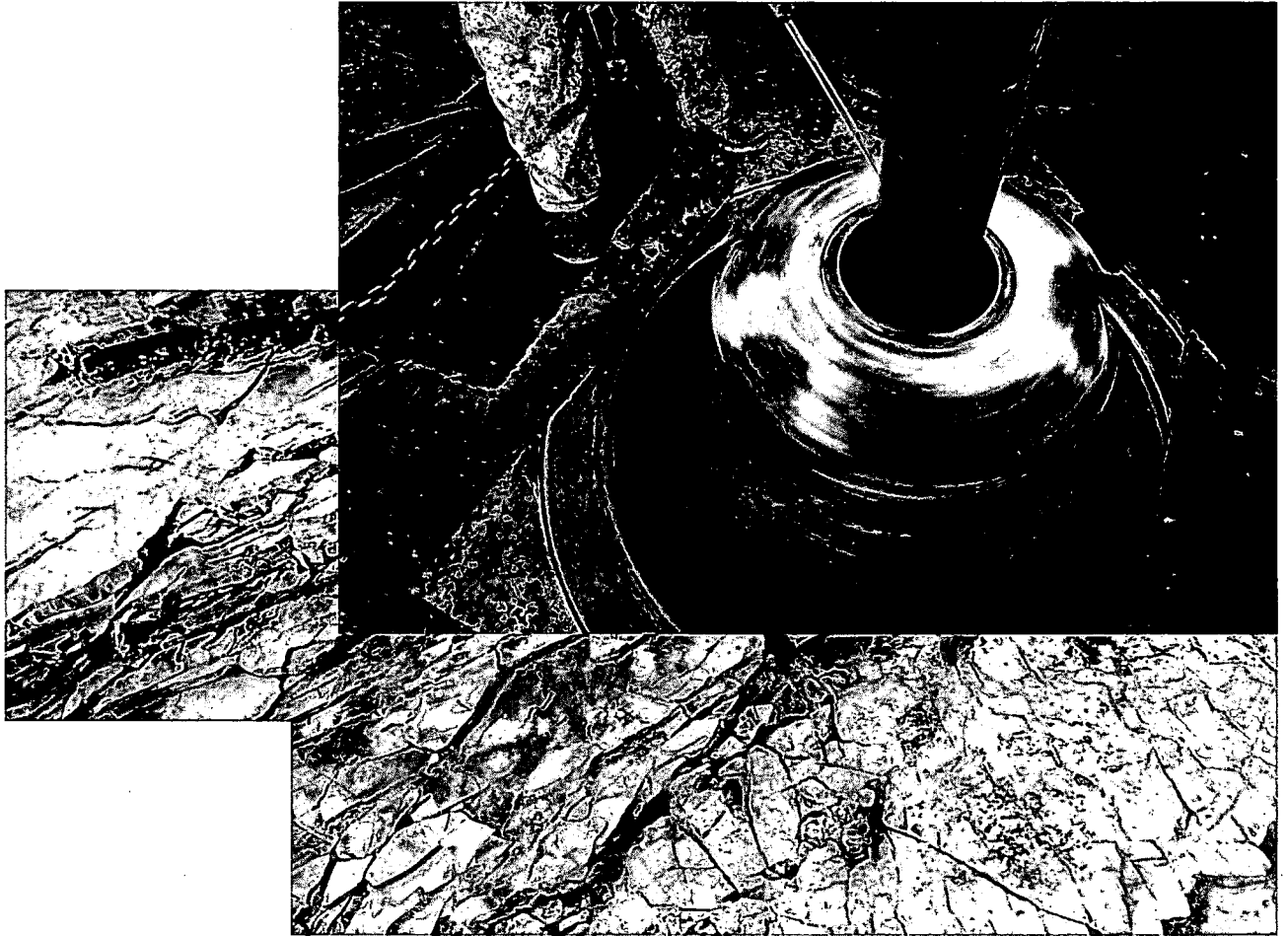
After running the 9-5/8' intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 5M will already be installed on the wellhead.

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.



Commitment Runs Deep



Design Plan
Operation and Maintenance Plan
Closure Plan

SENM - Closed Loop Systems
June 2010

I. Design Plan

Devon uses MI SWACO closed loop system (CLS). The MI SWACO CLS is designed to maintain drill solids at or below 5%. The equipment is arranged to progressively remove solids from the largest to the smallest size. Drilling fluids can thus be reused and savings is realized on mud and disposal costs. Dewatering may be required with the centrifuges to insure removal of ultra fine solids.

The drilling location is constructed to allow storm water to flow to a central sump normally the cellar. This insures no contamination leaves the drilling pad in the event of a spill. Storm water is reused in the mud system or stored in a reserve fluid tank farm until it can be reused. All lubricants, oils, or chemicals are removed immediately from the ground to prevent the contamination of storm water. An oil trap is normally installed on the sump if an oil spill occurs during a storm.

A tank farm is utilized to store drilling fluids including fresh water and brine fluids. The tank farm is constructed on a 20 ml plastic lined, bermed pad to prevent the contamination of the drilling site during a spill. Fluids from other sites may be stored in these tanks for processing by the solids control equipment and reused in the mud system. At the end of the well the fluids are transported from the tank farm to an adjoining well or to the next well for the rig.

Prior to installing a closed-loop system on site, the topsoil, if present, will be stripped and stockpiled for use as the final cover or fill at the time of closure.

Signs will be posted on the fence surrounding the closed-loop system unless the closed-loop system is located on a site where there is an existing well, that is operated by Devon.

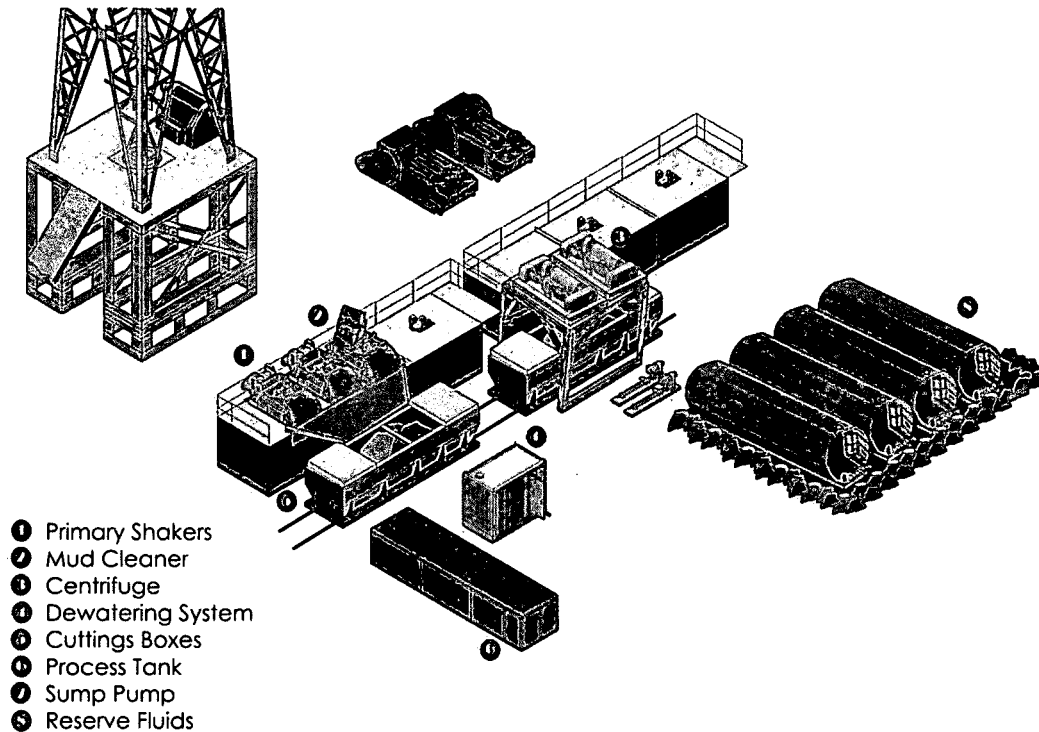
II. Operations and Maintenance Plan

Primary Shakers: The primary shakers make the first removal of drill solids from the drilling mud as it leaves the well bore. The shakers are sized to handle maximum drilling rate at optimal screen size. The shakers normally remove solids down to 74 microns.

Mud Cleaner: The Mud Cleaner cleans the fluid after it leaves the shakers. A set of hydrocyclones are sized to handle 1.25 to 1.5 times the maximum circulating rate. This ensures all the fluid is being processed to an average cut point of 25 microns. The wet discharged is dewatered on a shaker equipped with ultra fine mesh screens and generally cut at 40 microns.



Closed Loop Schematic



Centrifuges: The centrifuges can be one or two in number depending on the well geometry or depth of well. The centrifuges are sized to maintain low gravity solids at 5% or below. They may or may not need a dewatering system to enhance the removal rates. The centrifuges can make a cut point of 8-10 microns depending on bowl speed, feed rate, solids loading and other factors.

The centrifuge system is designed to work on the active system and be flexible to process incoming fluids from other locations. This set-up is also dependant on well factors.

Dewatering System: The dewatering system is a chemical mixing and dosing system designed to enhance the solids removal of the centrifuge. Not commonly used in shallow wells. It may contain pH adjustment, coagulant mixing and dosing, and polymer mixing and dosing. Chemical flocculation binds ultra fine solids into a mass that is within the centrifuge operating design. The

dewatering system improves the centrifuge cut point to infinity or allows for the return of clear water or brine fluid. This ability allows for the ultimate control of low gravity solids.

Cuttings Boxes: Cuttings boxes are utilized to capture drill solids that are discarded from the solids control equipment. These boxes are set upon a rail system that allows for the removal and replacement of a full box of cuttings with an empty one. They are equipped with a cover that insures no product is spilled into the environment during the transportation phase.

Process Tank: (Optional) The process tank allows for the holding and process of fluids that are being transferred into the mud system. Additionally, during times of lost circulation the process tank may hold active fluids that are removed for additional treatment. It can further be used as a mixing tank during well control conditions.

Sump and Sump Pump: The sump is used to collect storm water and the pump is used to transfer this fluid to the active system or to the tank for to hold in reserve. It can also be used to collect fluids that may escape during spills. The location contains drainage ditches that allow the location fluids to drain to the sump.

Reserve Fluids (Tank Farm): A series of frac tanks are used to replace the reserve pit. These are steel tanks that are equipped with a manifold system and a transfer pump. These tanks can contain any number of fluids used during the drilling process. These can include fresh water, cut brine, and saturated salt fluid. The fluid can be from the active well or reclaimed fluid from other locations. A 20 ml liner and berm system is employed to ensure the fluids do not migrate to the environment during a spill.

If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. Spill prevention is accomplished by maintaining pump packing, hoses, and pipe fittings to insure no leaks are occurring. During an upset condition the source of the spill is isolated and repaired as soon as it is discovered. Free liquid is removed by a diaphragm pump and returned to the mud system. Loose topsoil may be used to stabilize the spill and the contaminated soil is excavated and placed in the cuttings boxes. After the well is finished and the rig has moved, the entire location is scrapped and testing will be performed to determine if a release has occurred.

All trash is kept in a wire mesh enclosure and removed to an approved landfill when full. All spent motor oils are kept in separate containers and they are removed and sent to an approved recycling center. Any spilled lubricants, pipe

dope, or regulated chemicals are removed from soil and sent to landfills approved for these products.

These operations are monitored by Mi Swaco service technicians. Daily logs are maintained to ensure optimal equipment operation and maintenance. Screen and chemical use is logged to maintain inventory control. Fluid properties are monitored and recorded and drilling mud volumes are accounted for in the mud storage farm. This data is kept for end of well review to insure performance goals are met. Lessons learned are logged and used to help with continuous improvement.

A MI SWACO field supervisor manages from 3-5 wells. They are responsible for training personnel, supervising installations, and inspecting sites for compliance of MI SWACO safety and operational policy.

III. Closure Plan

A maximum 340' X 340' caliche pad is built per well. All of the trucks and steel tanks fit on this pad. All fluid cuttings go to the steel tanks to be hauled by various trucking companies to an agency approved disposal.

Devon Energy
APD VARIANCE DATA

OPERATOR NAME: Devon Energy

1. SUMMARY OF Variance:

Devon Energy respectfully requests approval for the following additions to the drilling plan:

1. Potential utilization of a spudder rig to pre-set surface casing.

2. Description of Operations

1. A spudder rig contractor may move in their rig to drill the surface hole section and pre-set surface casing on this well.
 - a. After drilling the surface hole section, the rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
 - b. Rig will utilize fresh water based mud to drill surface hole to TD.
2. The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
3. A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wingvalves.
 - a. A means for intervention will be maintained while the drilling rig is not over the well.
4. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
5. Drilling operation will be performed with the big 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 BLM will be contacted / notified 24 hours before the big rig moves back on to the pad with the pre-set surface casing.
6. Devon Energy will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
7. Once the rig is removed, Devon Energy will secure the wellhead area by placing a guard rail around the cellar area.



U. S. Steel Tubular Products

9.625" 40.00lbs/ft (0.395" Wall) J55

1/24/2019 2:45:24 PM

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC	
-----------------------	------	-----	-----	-----	--

Minimum Yield Strength	55,000	--	--	--	psi
Maximum Yield Strength	80,000	--	--	--	psi
Minimum Tensile Strength	75,000	--	--	--	psi

DIMENSIONS	Pipe	BTC	LTC	STC	
------------	------	-----	-----	-----	--

Outside Diameter	9.625	10.625	10.625	10.625	in.
Wall Thickness	0.395	--	--	--	in.
Inside Diameter	8.835	8.835	8.835	8.835	in.
Standard Drift	8.679	8.679	8.679	8.679	in.
Alternate Drift	8.750	8.750	8.750	8.750	in.
Nominal Linear Weight, T&C	40.00	--	--	--	lbs/ft
Plain End Weight	38.97	--	--	--	lbs/ft

PERFORMANCE	Pipe	BTC	LTC	STC	
-------------	------	-----	-----	-----	--

Minimum Collapse Pressure	2,570	2,570	2,570	2,570	psi
Minimum Internal Yield Pressure	3,950	3,950	3,950	3,950	psi
Minimum Pipe Body Yield Strength	630	--	--	--	1,000 lbs
Joint Strength	--	714	520	452	1,000 lbs
Reference Length	--	11,898	8,665	7,529	ft

MAKE-UP DATA	Pipe	BTC	LTC	STC	
--------------	------	-----	-----	-----	--

Make-Up Loss	--	4.81	4.75	3.38	in.
Minimum Make-Up Torque	--	--	3,900	3,390	ft-lbs
Maximum Make-Up Torque	--	--	6,500	5,650	ft-lbs

Legal Notice

All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

Technical Specifications

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
DWC/C Casing standard	5-1/2 in	17.00 lb/ft (0.304 in)	P-110RY

	Material
P-110RY	Grade
110,000	Minimum Yield Strength (psi)
125,000	Minimum Ultimate Strength (psi)

	Pipe Dimensions
5.500	Nominal Pipe Body O.D. (in)
4.892	Nominal Pipe Body I.D.(in)
0.304	Nominal Wall Thickness (in)
17.00	Nominal Weight (lbs/ft)
16.89	Plain End Weight (lbs/ft)
4.962	Nominal Pipe Body Area (sq in)

	Pipe Body Performance Properties
546,000	Minimum Pipe Body Yield Strength (lbs)
7,480	Minimum Collapse Pressure (psi)
10,640	Minimum Internal Yield Pressure (psi)
9,700	Hydrostatic Test Pressure (psi)

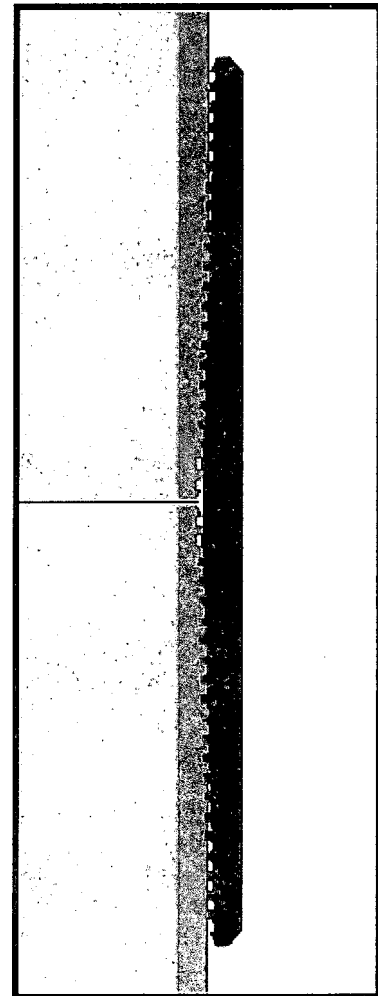
	Connection Dimensions
6.050	Connection O.D. (in)
4.892	Connection I.D. (in)
4.767	Connection Drift Diameter (in)
4.13	Make-up Loss (in)
4.962	Critical Area (sq in)
100.0	Joint Efficiency (%)

	Connection Performance Properties
546,000	Joint Strength (lbs)
22,940	Reference String Length (ft) 1.4 Design Factor
568,000	API Joint Strength (lbs)
546,000	Compression Rating (lbs)
7,480	API Collapse Pressure Rating (psi)
10,640	API Internal Pressure Resistance (psi)
91.7	Maximum Uniaxial Bend Rating [degrees/100 ft]

	Approximated Field End Torque Values
12,000	Minimum Final Torque (ft-lbs)
13,800	Maximum Final Torque (ft-lbs)
15,500	Connection Yield Torque (ft-lbs)



VAM-USA
4424 W. Sam Houston Pkwy. Suite 150
Houston, TX 77041
Phone: 713-479-3200
Fax: 713-479-3234
E-mail: VAMUSAsales@vam-usa.com



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

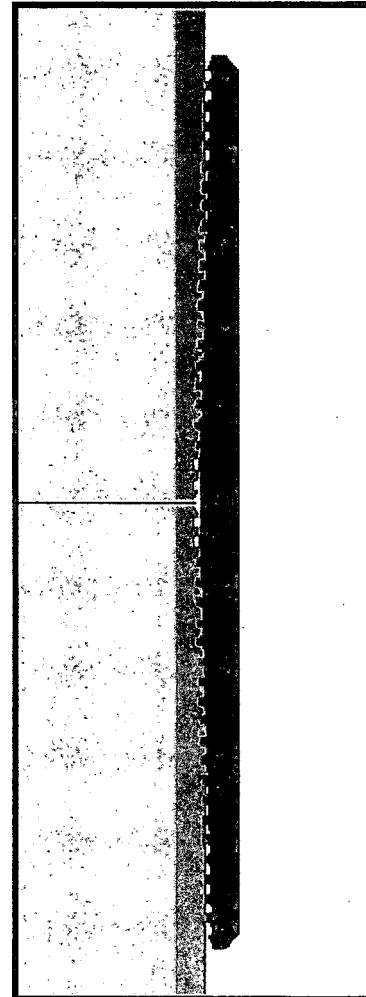
Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

11/13/2013 3:17:42 PM



DWC Connection Data Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.



Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

11/13/2013 3:17:42 PM



U. S. Steel Tubular Products

13.375" 48.00lbs/ft (0.330" Wall) H40

1/8/2019 12:38:52 PM

MECHANICAL PROPERTIES	Pipe	BTC	LTC	STC	
Minimum Yield Strength	40,000	--	--	--	psi
Maximum Yield Strength	80,000	--	--	--	psi
Minimum Tensile Strength	60,000	--	--	--	psi

DIMENSIONS	Pipe	BTC	LTC	STC	
Outside Diameter	13.375	--	--	14.375	in.
Wall Thickness	0.330	--	--	--	in.
Inside Diameter	12.715	--	--	12.715	in.
Standard Drift	12.559	12.559	--	12.559	in.
Alternate Drift	--	--	--	--	in.
Nominal Linear Weight, T&C	48.00	--	--	--	lbs/ft
Plain End Weight	46.02	--	--	--	lbs/ft

PERFORMANCE	Pipe	BTC	LTC	STC	
Minimum Collapse Pressure	740	740	--	740	psi
Minimum Internal Yield Pressure	1,730	1,730	--	1,730	psi
Minimum Pipe Body Yield Strength	541	--	--	--	1,000 lbs
Joint Strength	--	--	--	322	1,000 lbs
Reference Length	--	--	--	4,473	ft

MAKE-UP DATA	Pipe	BTC	LTC	STC	
Make-Up Loss	--	--	--	3.50	in.
Minimum Make-Up Torque	--	--	--	2,420	ft-lbs
Maximum Make-Up Torque	--	--	--	4,030	ft-lbs

Legal Notice

All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com



Fluid Technology

ContiTech Beattie Corp.
Website: www.contitechbeattie.com

Monday, June 14, 2010

RE: Drilling & Production Hoses
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

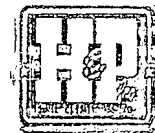
Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

Robin Hodgson
Sales Manager
ContiTech Beattie Corp

ContiTech Beattie Corp,
11535 Brittmoore Park Drive,
Houston, TX 77041
Phone: +1 (832) 327-0141
Fax: +1 (832) 327-0148
www.contitechbeattie.com



RIG 212



QUALITY DOCUMENT

PHOENIX RUBBER
INDUSTRIAL LTD.

6728 Szeged, Budapesti út 10. Hungary • H-6701 Szeged, P. O. Box 152
Phone: (3662) 566-737 • Fax: (3662) 566-738

SALES & MARKETING: H-1092 Budapest, Ráday u. 42-44. Hungary • H-1440 Budapest, P. O. Box 26
Phone: (361) 456-4200 • Fax: (361) 217-2972, 456-4273 • www.taurusemerge.hu

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 552	
PURCHASER: Phoenix Beattie Co.				P.O. N°: 1519FA-871	
PHOENIX RUBBER order N°: 170466		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 34128		NOMINAL / ACTUAL LENGTH: 11,43 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature See attachment. (1 page)					
↑ 10 mm = 10 Min. → 10 mm = 25 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with	720 719		AISI 4130	C7626	
4 1/16" Flange end			AISI 4130	47357	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date:	Inspector		Quality Control		
29. April. 2002.			PHOENIX RUBBER Industrial Ltd. Hose Inspection and VERIFIED TRUE COPY PHOENIX RUBBER & C.		

14094-65

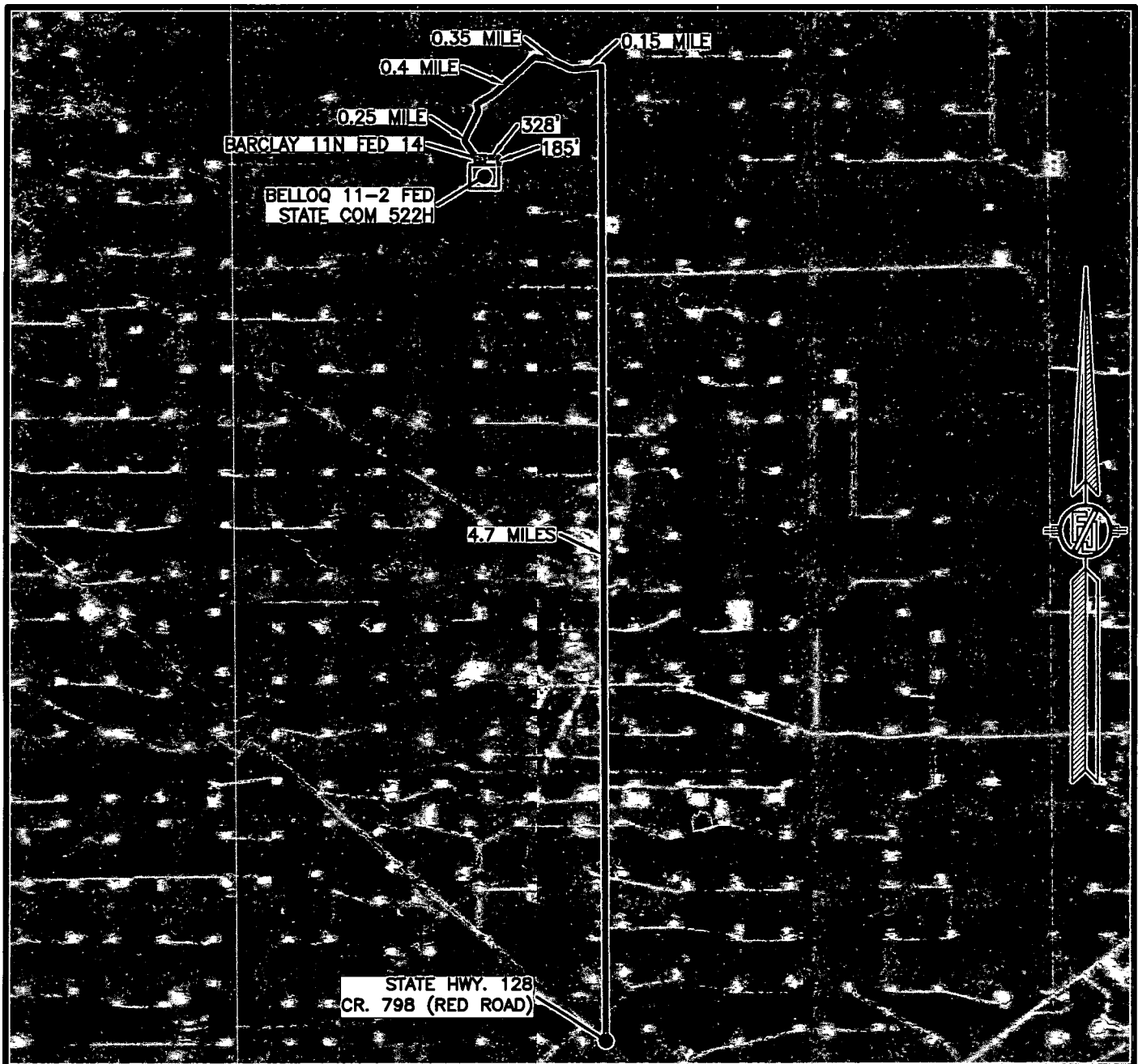
40920-0-00015 N800C

8	GNL +0.000 PC	14.00			
	RDL +0.000 PC	14.00			
	BL +0.011 PC	14.00			
7	GNL +0.000 PC	13.40	40	60	80
	RDL +0.000 PC	13.40			
	BL +0.011 PC	13.40			
6	GNL +0.000 PC	13.20			
	RDL +0.000 PC	13.20			
	BL +0.011 PC	13.20			
5	GNL +0.000 PC	13.00			
	RDL +0.000 PC	13.00			
	BL +0.011 PC	13.00			
4					
3					
2					

GENEX RUBBER
Industrial Ltd.
Hose Inspection and
Certification Dept.

VERIFIED TRUE CO.
PHOENIX RUBBER CO.

SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
AERIAL ACCESS ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
NOV. 2017

DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 20, 2018

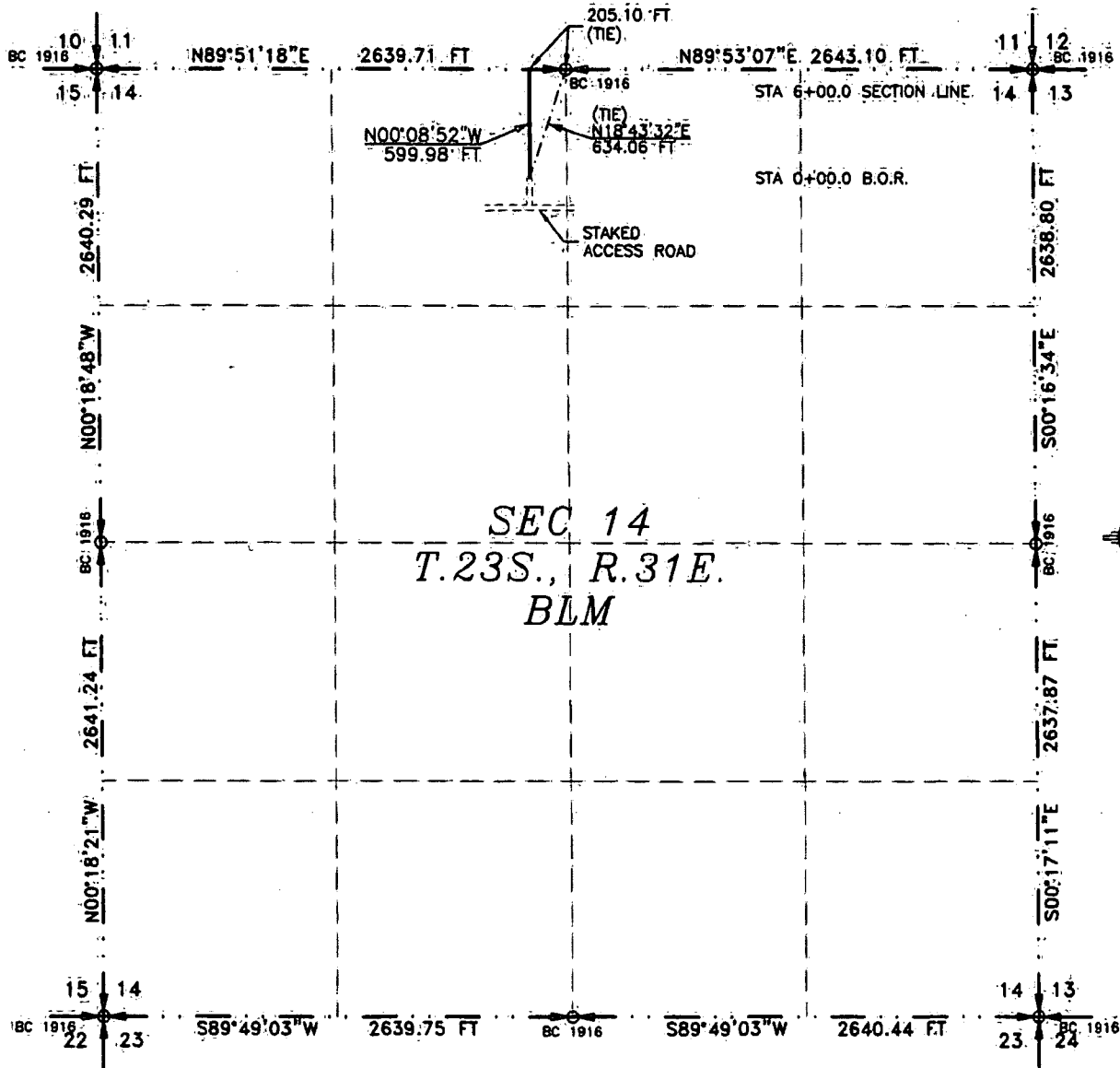
SURVEY NO. 6180B

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018



SEE NEXT SHEET (2-4) FOR DESCRIPTION

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS DAY OF DECEMBER 2018

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

FILMON F. JARAMILLO PLS. 12797

SURVEY NO. 6180B

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-4

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE NE/4 NW/4 OF SAID SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N18°43'32"E, A DISTANCE OF 634.06 FEET;
THENCE N00°08'52"W A DISTANCE OF 599.98 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE NORTH QUARTER CORNER OF SAID SECTION 14, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N89°51'18"E, A DISTANCE OF 205.10 FEET;

SAID STRIP OF LAND BEING 599.98 FEET OR 36.36 RODS IN LENGTH, CONTAINING 0.413 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

NE/4 NW/4 599.98 L.F. 36.36 RODS 0.413 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 22ND DAY OF DECEMBER 2018

[Signature]
FILMON F. JARAMILLO PLS 12797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 6180B

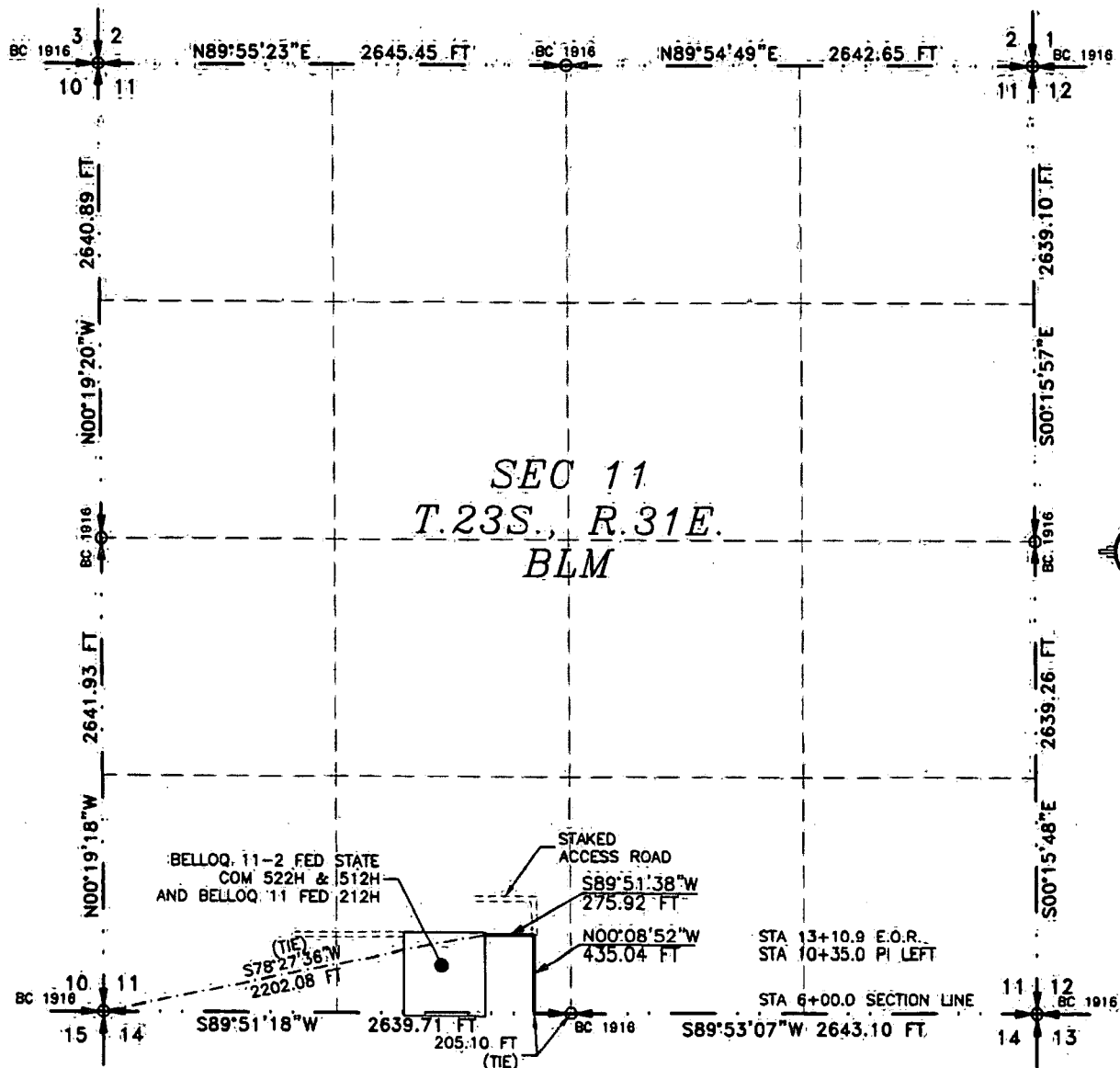
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO (575) 234-3341

SHEET: 2-4

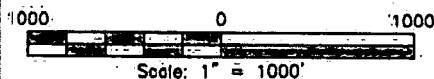
ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018



SEE NEXT SHEET (4-4) FOR DESCRIPTION



GENERAL NOTES

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO THIS 21 DAY OF DECEMBER, 2018

FILMON F. JARAMILLO, PLS. 12797
NEW MEXICO PROFESSIONAL SURVEYOR
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SHEET: 3-4

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEY NO. 6180B

ACCESS ROAD PLAT

ACCESS ROAD FOR BELLOQ 11-2 FED STATE COM 522H & 512H AND BELLOQ 11 FED 212H

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
DECEMBER 20, 2018

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 SW/4 OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS N89°51'18"E, A DISTANCE OF 205.10 FEET;
THENCE N00°08'52"W A DISTANCE OF 435.04 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S89°51'38"W A DISTANCE OF 275.92 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHWEST CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S78°27'36"W, A DISTANCE OF 2202.08 FEET;

SAID STRIP OF LAND BEING 710.96 FEET OR 43.09 RODS IN LENGTH, CONTAINING 0.490 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4 710.96 L.F. 43.09 RODS 0.490 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 4-4

MADRON SURVEYING, INC.

SURVEYOR CERTIFICATE

I, FILIMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 21 DAY OF DECEMBER 2018

FILIMON F. JARAMILLO, PLS. #2797

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 6180B

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

devon

This map is for illustrative purposes only and is neither a legally recorded map nor a survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

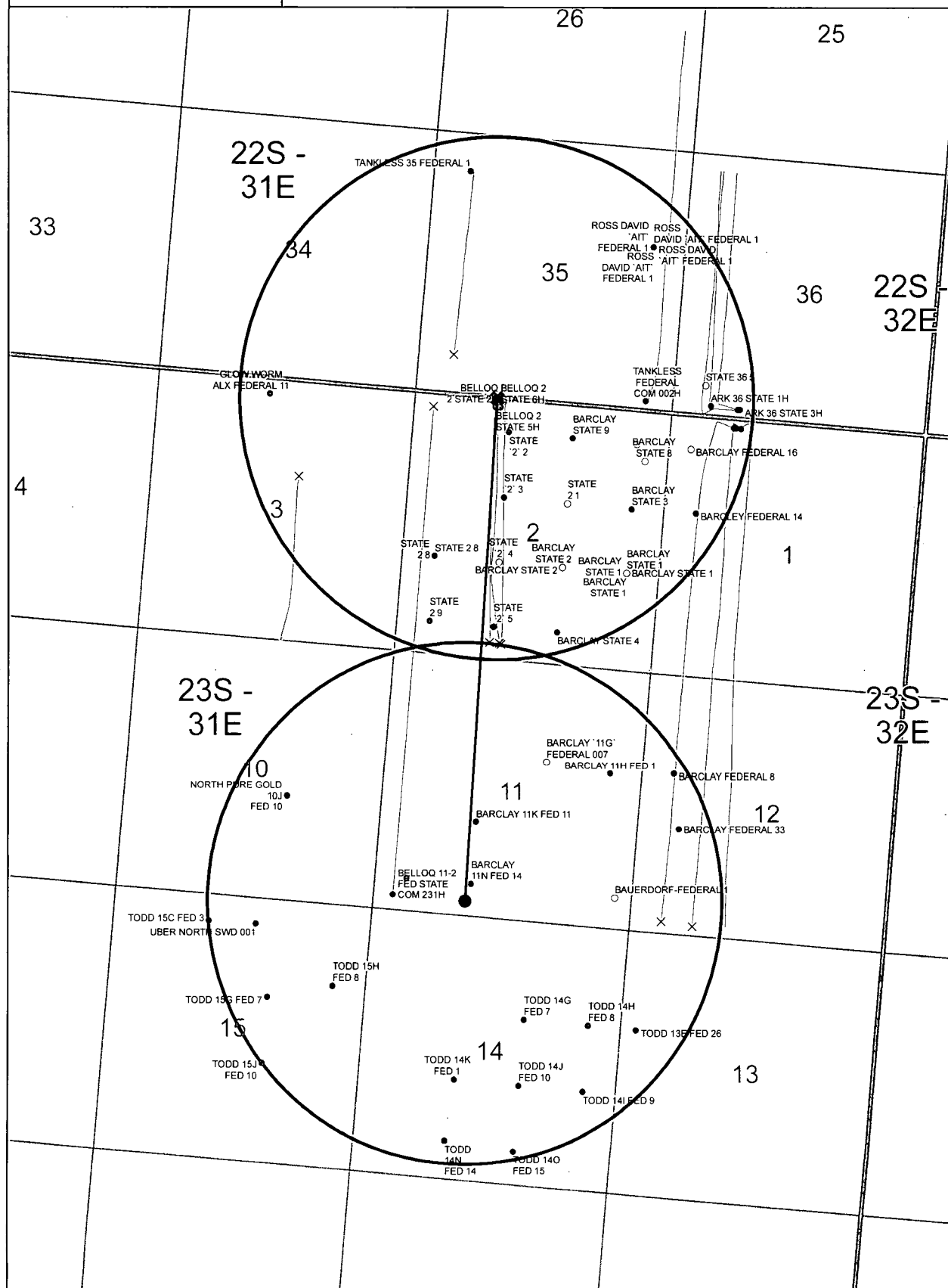
USA Contiguous Equidistant Conic
Datum: North American 1983
Created by: FME Server
Map is current as of 1/17/2019



 Miles 1 inch = 0.44 miles

175 ft.

- Unknown SHL
- Active SHL
- Inactive SHL
- × BHL



BELLOQ 11-2 FED STATE COM

522H, 512H



This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere

Prepared by: _User

Map is current as of: 17-May-2018



Miles

0 0.14 0.28 0.56 1:28,457



DEVON 30 DAY, INSTALL DAYS PRIOR TO COMPLETION
DEVON WILL CONTACT BLM IF ADDITIONAL TIME IS NEEDED
DISTURBANCE: EXISTING
CONTENTS: TREATED WATER & FRESH WATER
TYPE OF TYPE: LAYFLAT
SIZE OF PIPE: 10" OR 12"
LENGTH OF PIPE: TW 9,363' & FW 18,702'

BELLOQ 11-2 FED STATE COM 522H, 512H

1E = 3

23S = 31E = 2

23S = 31E = 1

23S = 32E = 6

23310104

615

Caliche Pit 23S 31E Section 1

Total 12,911.57 ft

6,332.82 ft

2 = 10

23S = 31E = 1

23S = 31E = 12

23S = 32E = 7

Belloq 11

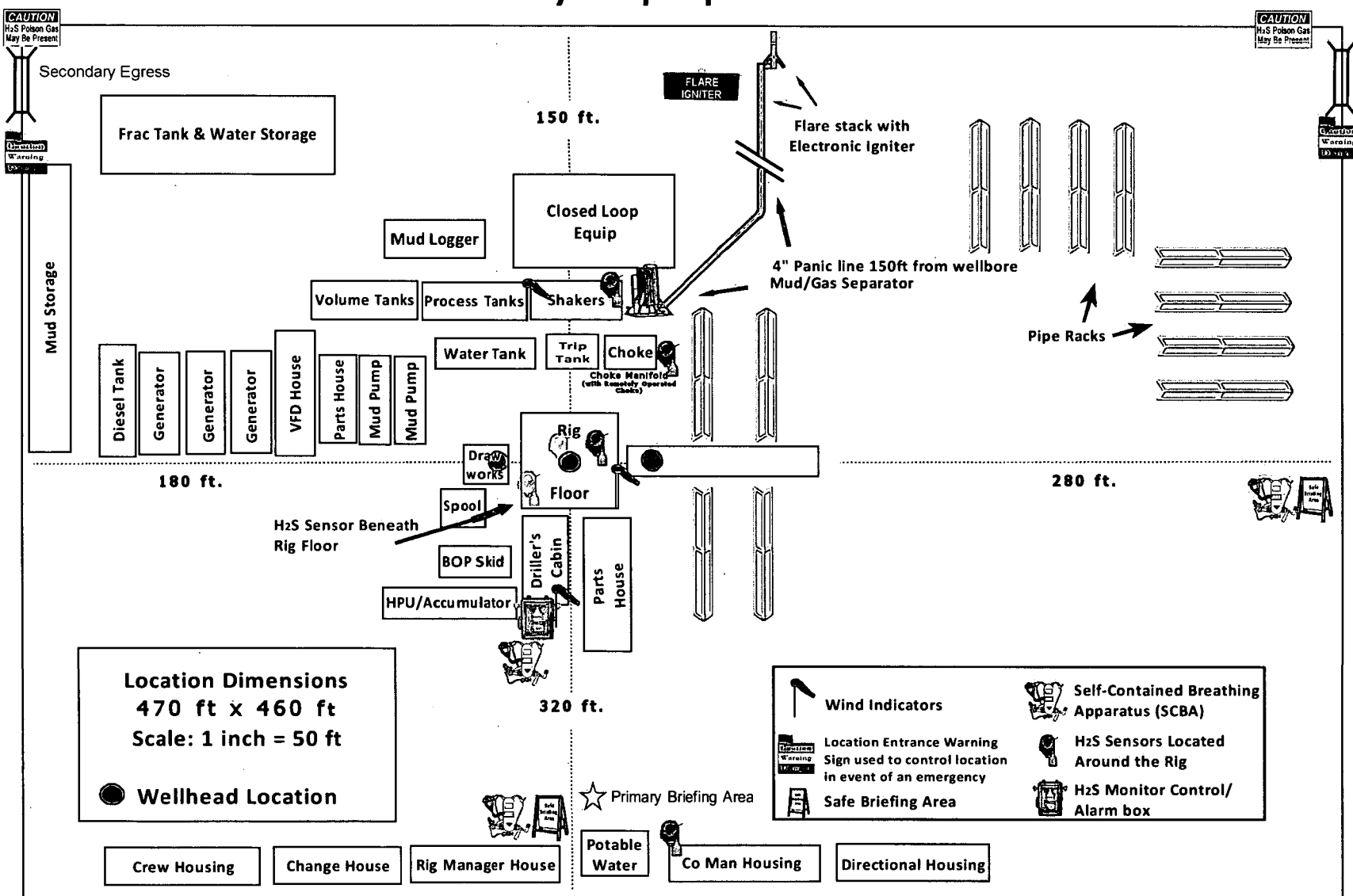
2 = 15

23S = 31E = 14

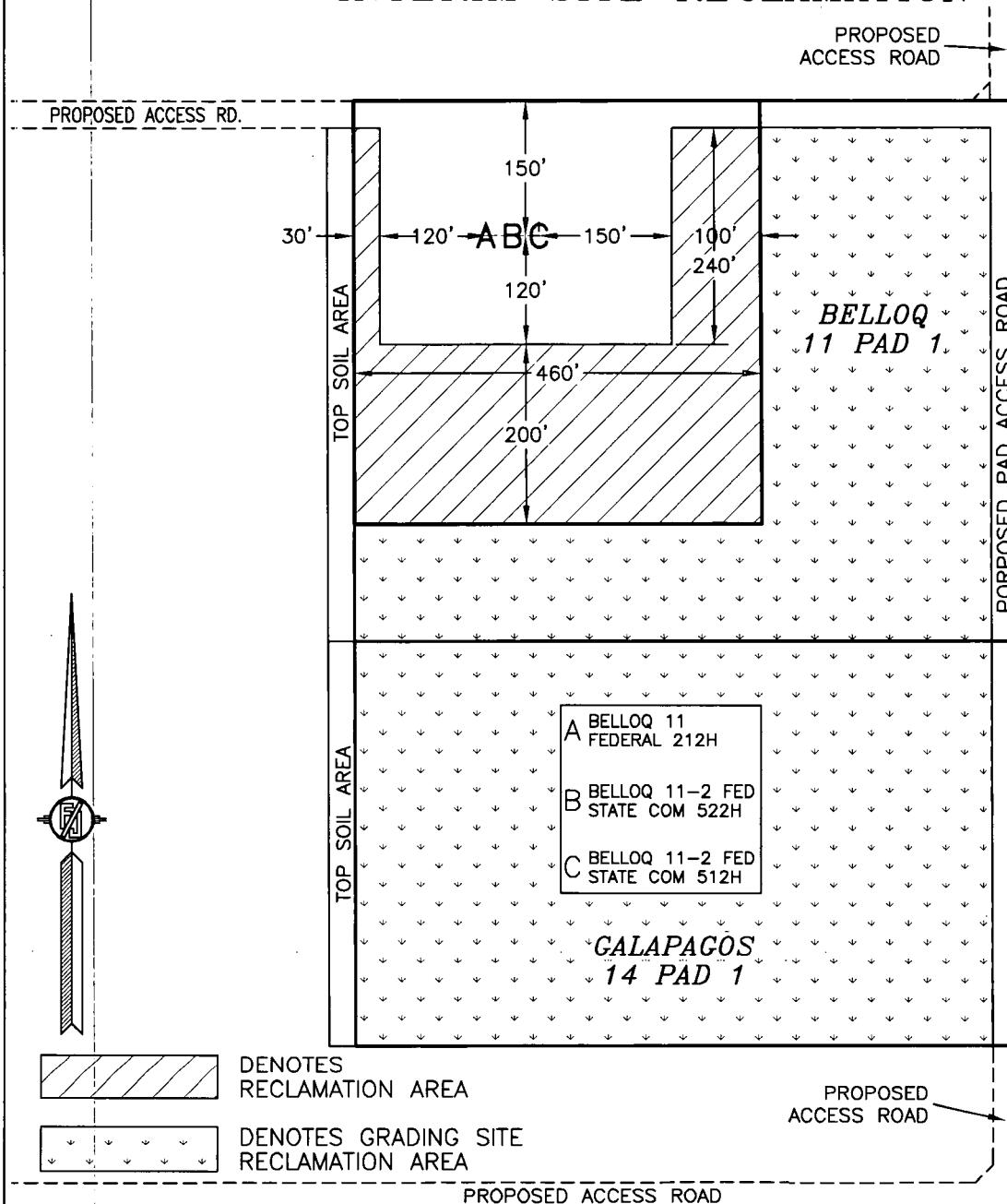
23S = 31E = 13

23S = 32E = 16

Devon Energy - Well Pad Rig Location Layout Safety Equipment Location



SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
INTERIM SITE RECLAMATION



0 20 100 200 400
SCALE 1" = 200'

2.827± ACRES INTERIM PAD RECLAMATION AREA
12.218± ACRES GRADING SITE RECLAMATION AREA
3.038± ACRES NON-RECLAIMED AREA
18.083± ACRES BELLOQ & GALAPAGOS WELL PAD

DEVON ENERGY PRODUCTION COMPANY, L.P.
BELLOQ 11-2 FED STATE COM 522H
LOCATED 300 FT. FROM THE SOUTH LINE
AND 1880 FT. FROM THE WEST LINE OF
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

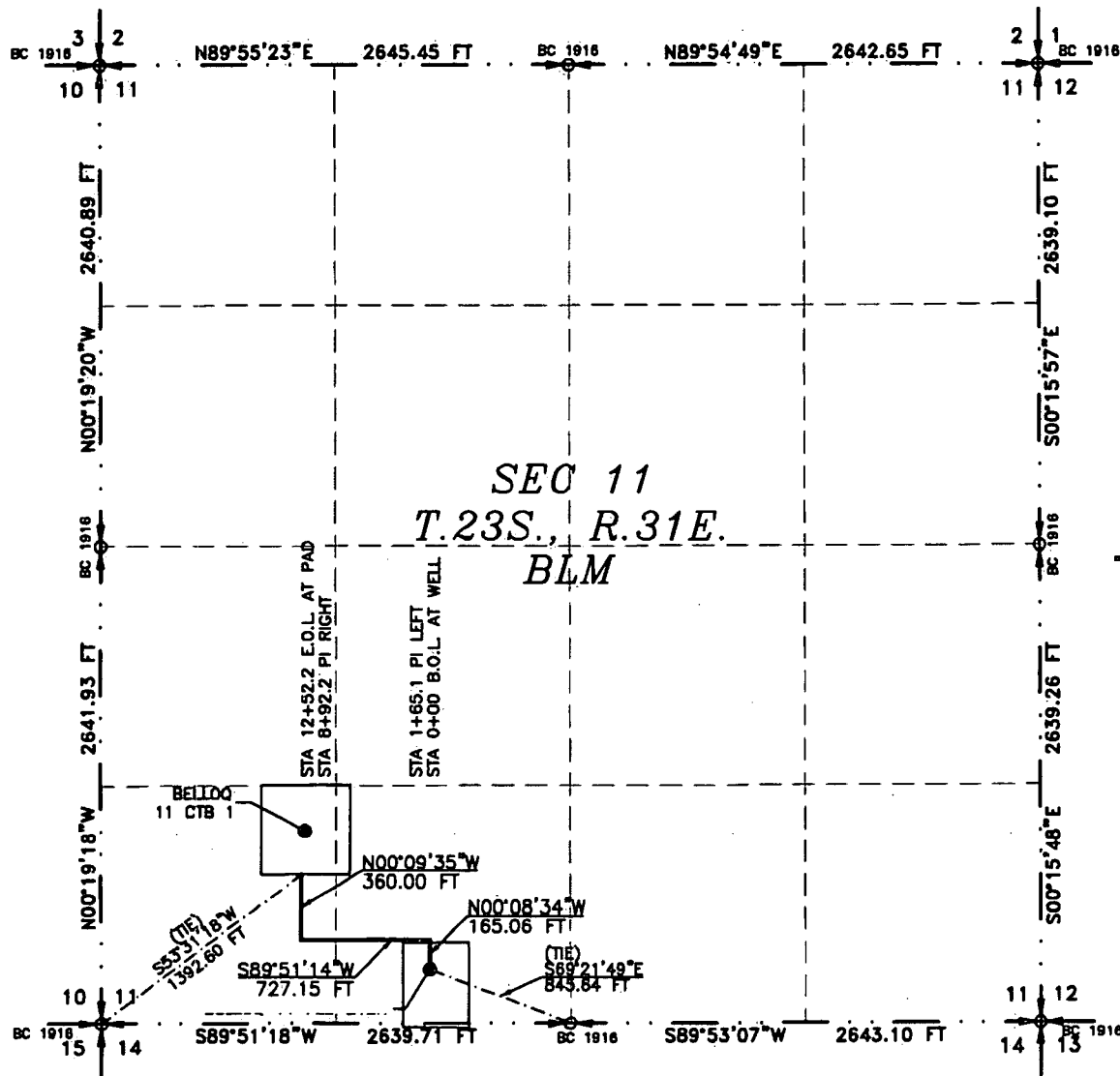
DECEMBER 20, 2018

SURVEY NO. 6180B

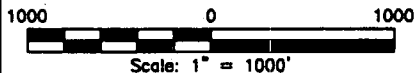
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

TWO 8" BURIED FLOWLINES, ONE 8" BURIED GAS LIFT LINE (POLY) FROM
BELLOQ 11 WELLPAD 1 TO BELLOQ 11 CTB 1
(Belloq 11-2 Fed State Com 512H, 522H)

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 23, 2017



SEE NEXT SHEET (2-4) FOR DESCRIPTION



GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 23RD DAY OF JUNE 2017.

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SHEET: 1-4

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 **CARLSBAD, NEW MEXICO**

SURVEY NO. 5315

TWO 8" BURIED FLOWLINES, ONE 8" BURIED GAS LIFT LINE (POLY) FROM
BELLOQ 11 WELLPAD 1 TO BELLOQ 11 CTB 1
(Belloq 11-2 Fed State Com 512H, 522H)

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 23, 2017

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SE/4 SW/4 OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE SOUTH QUARTER CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S69°21'49"E, A DISTANCE OF 845.64 FEET;
THENCE N00°08'34"W A DISTANCE OF 165.06 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE S89°51'14"W A DISTANCE OF 727.15 FEET TO AN ANGLE POINT OF THE LINE HEREIN DESCRIBED;
THENCE N00°09'35"W A DISTANCE OF 360.00 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHWEST CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S53°31'18"W, A DISTANCE OF 1392.60 FEET;

SAID STRIP OF LAND BEING 1252.21 FEET OR 75.89 RODS IN LENGTH, CONTAINING 0.862 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SE/4 SW/4	695.49 L.F.	42.15 RODS	0.479 ACRES
SW/4 SW/4	556.72 L.F.	33.74 RODS	0.383 ACRES

GENERAL NOTES

1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 2-4

MADRON SURVEYING, INC.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12787, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 26 DAY OF JUNE 2017

Filmon F. Jaramillo
FILMON F. JARAMILLO, P.S. 12787

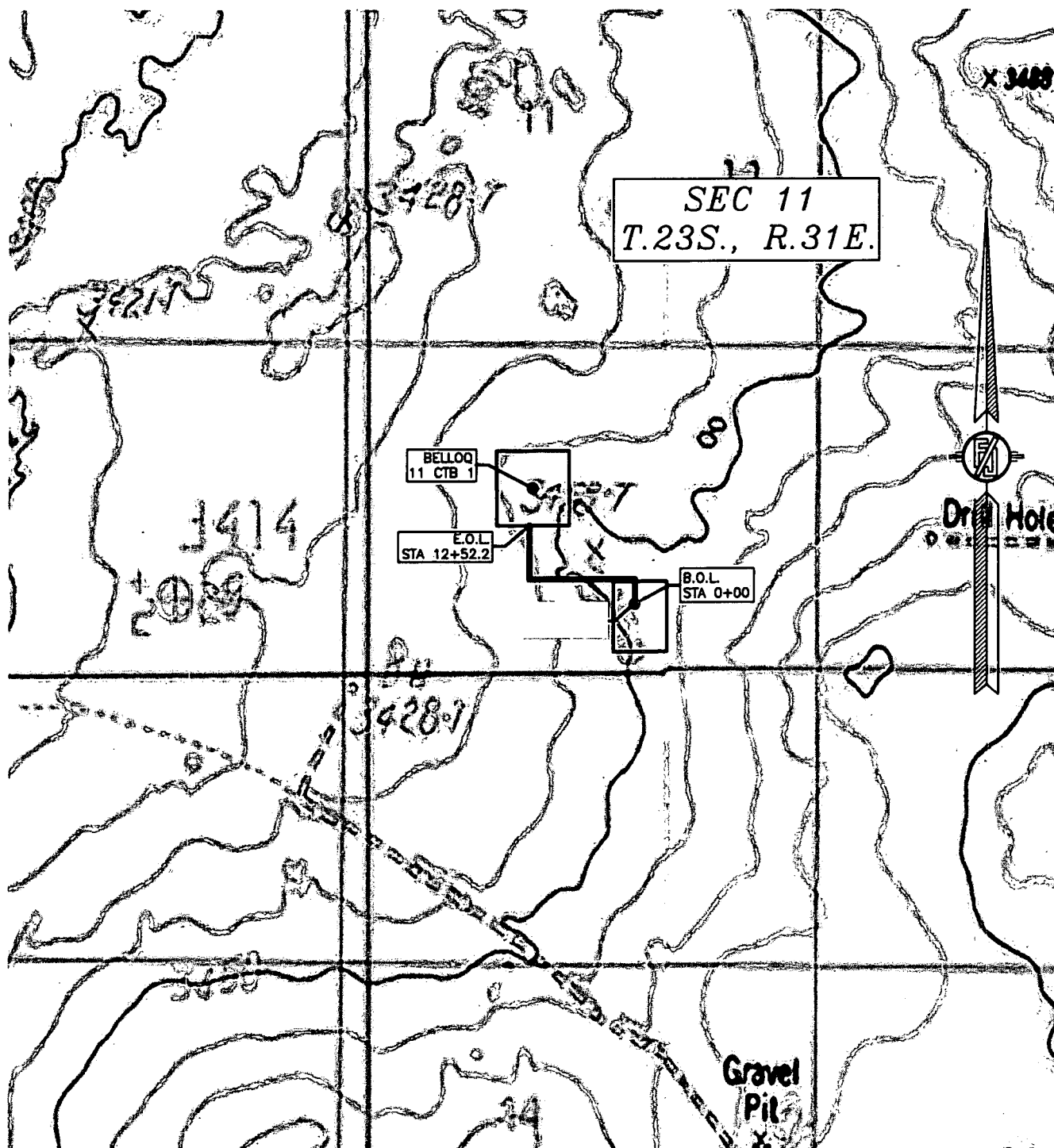
MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 5315

CARLSBAD, NEW MEXICO

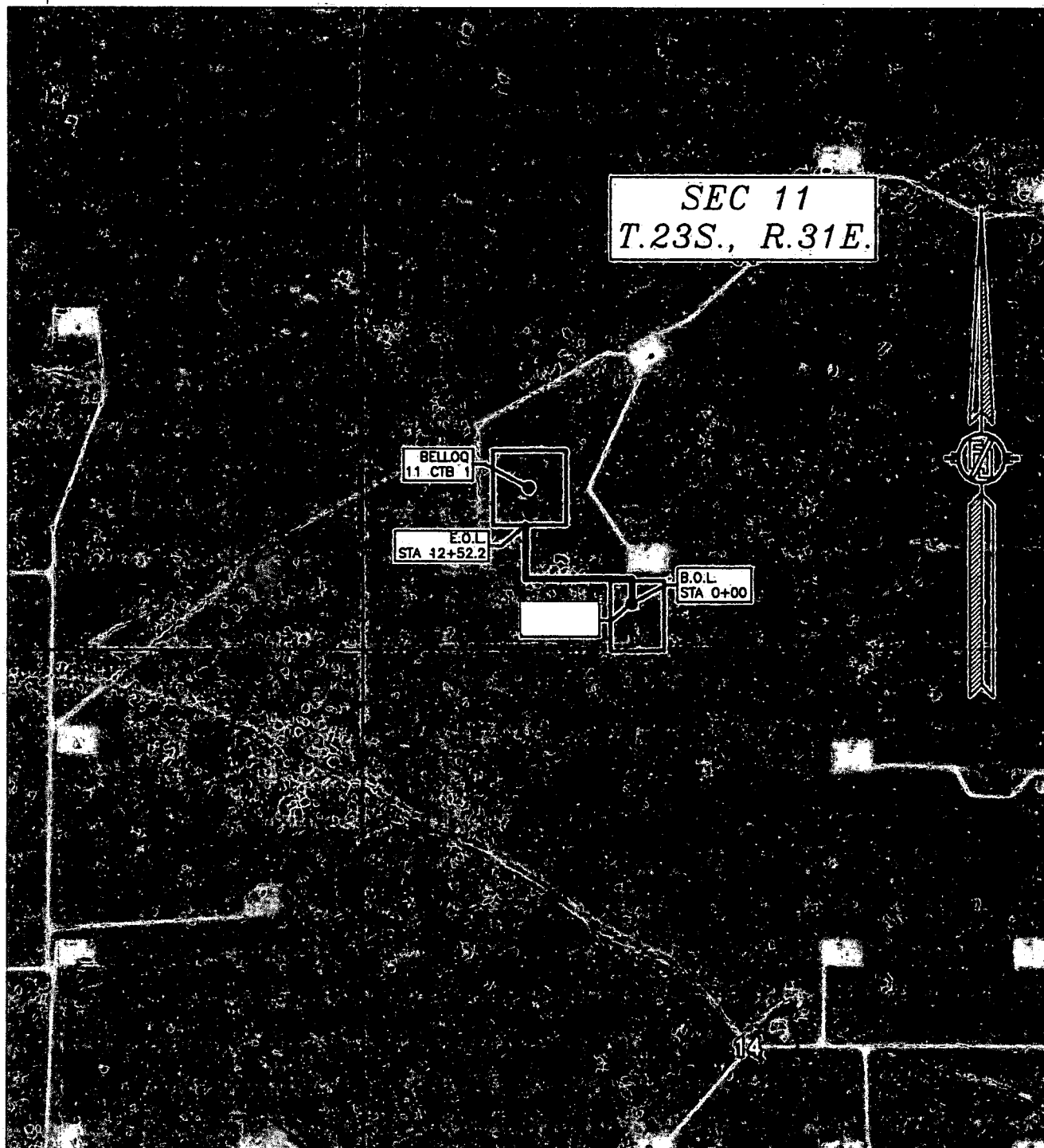
TWO 8" BURIED FLOWLINES, ONE 8" BURIED GAS LIFT LINE (POLY) FROM
BELLOQ 11 WELLPAD 1 TO BELLOQ 11 CTB 1
(Belloq 11-2 Fed State Com 512H, 522H)

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 23, 2017



TWO 8" BURIED FLOWLINES, ONE 8" BURIED GAS LIFT LINE (POLY) FROM
BELLOQ 11 WELLPAD 1 TO BELLOQ 11 CTB 1
(Belloq 11-2 Fed State Com 512H, 522H)

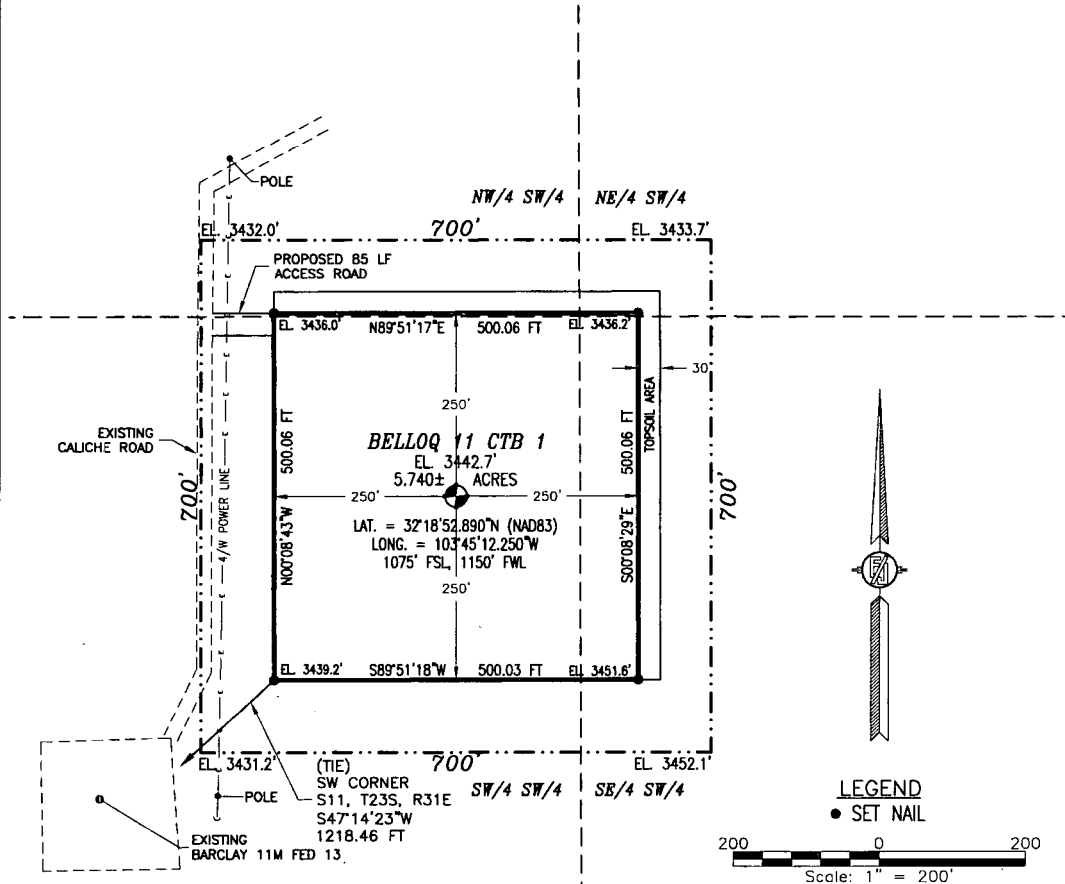
DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF A PIPELINE CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
JUNE 23, 2017



BELLOQ 11 CTB 1

DEVON ENERGY PRODUCTION COMPANY, L.P.
IN THE SW/4 SW/4 & SE/4 SW/4 & NW/4 SW/4 & NE/4 SW/4 OF
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 15, 2017



DESCRIPTION

A CERTAIN PIECE OR PARCEL OF LAND AND REAL ESTATE LYING IN THE SW/4 SW/4 & SE/4 SW/4 & NW/4 SW/4 & NE/4 SW/4 OF SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

BEGINNING AT THE SOUTHWEST CORNER OF THE PARCEL, WHENCE THE SOUTHWEST CORNER OF SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S47°14'23\"W, A DISTANCE OF 1218.46 FEET;
THENCE N00°08'43\"W A DISTANCE OF 500.06 FEET TO THE NORTHWEST CORNER OF THE PARCEL;
THENCE N89°51'17\"E A DISTANCE OF 500.06 FEET TO THE NORTHEAST CORNER OF THE PARCEL;
THENCE S00°08'29\"E A DISTANCE OF 500.06 FEET TO THE SOUTHEAST CORNER OF THE PARCEL;
THENCE S89°51'18\"W A DISTANCE OF 500.03 FEET TO THE SOUTHWEST CORNER OF THE PARCEL, TO THE POINT OF BEGINNING;

CONTAINING 4.783 ACRES IN THE SW/4 SW/4 & 0.905 ACRES IN THE SE/4 SW/4 & 0.044 ACRES IN THE NW/4 SW/4 & 0.008 ACRES IN THE NE/4 SW/4 FOR A TOTAL OF 5.740 ACRES MORE OR LESS.

GENERAL NOTES

- 1.) THE INTENT OF THIS SURVEY IS TO ACQUIRE A BUSINESS LEASE FOR THE PURPOSE OF BUILDING A CENTRAL TANK BATTERY MODIFIED TO THE SURFACE (NAD83)
- 2.) BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST ZONE

DRIVING DIRECTIONS: FROM STATE HIGHWAY 128 AND CR 798 (RED ROAD) GO NORTH ON CR 798 4.7 MILES, TURN LEFT ON CALICHE ROAD AND GO WEST 0.15 OF A MILE, BEND RIGHT AND GO NORTHWEST 0.2 OF A MILE, TURN LEFT AND GO SOUTHWEST 0.6 OF A MILE, TURN LEFT AND GO SOUTH 188', TURN LEFT GO EAST 85' TO THE NORTHWEST PAD CORNER.

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 15th DAY OF MAY 2017.

FILMON F. JARAMILLO, Surveyor No. 12797
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 5240

SHEET: 1-3

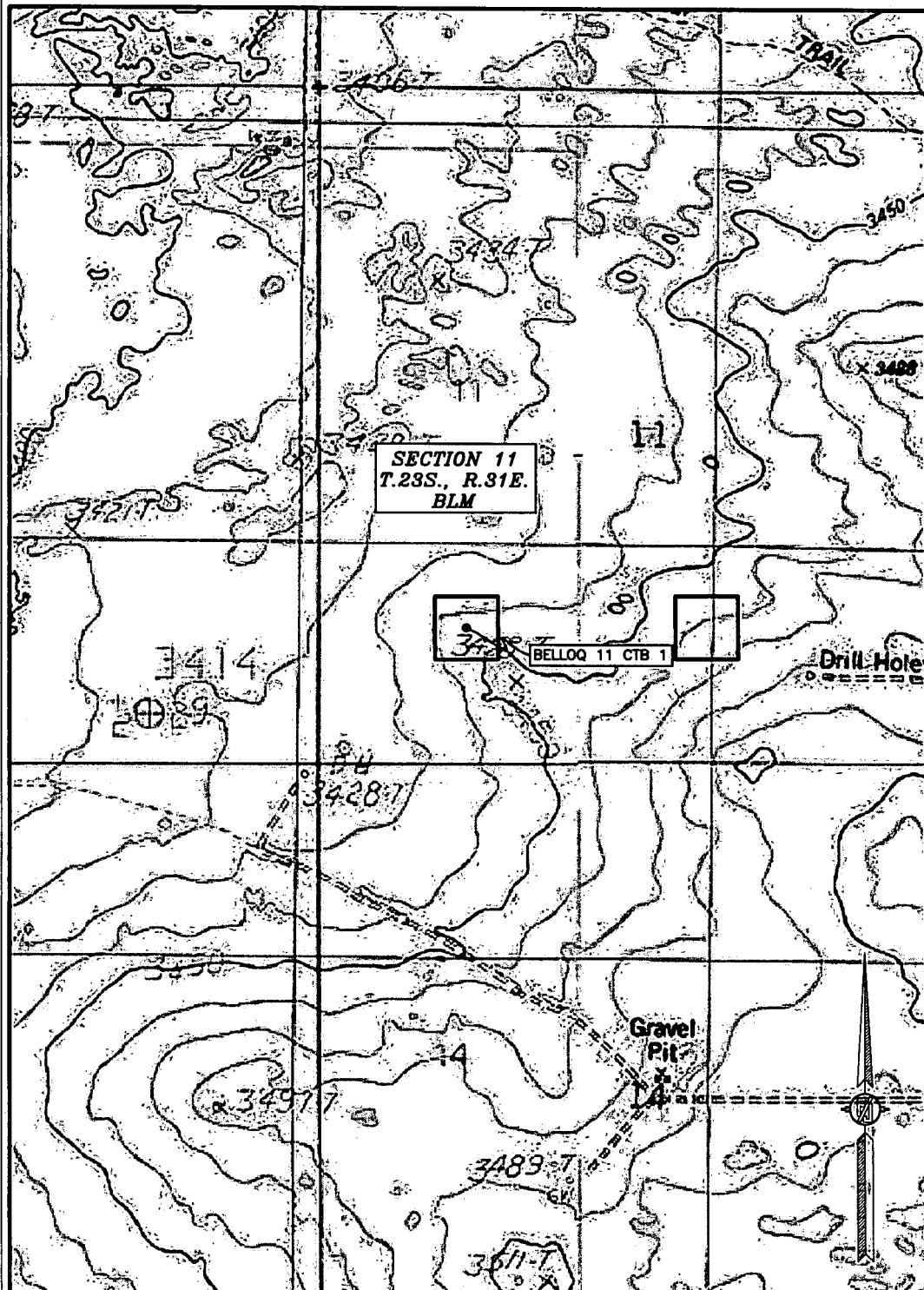
MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

BELLOQ 11 CTB 1

DEVON ENERGY PRODUCTION COMPANY, L.P.
IN THE SW/4 SW/4 & SE/4 SW/4 & NW/4 SW/4 & NE/4 SW/4 OF
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 15, 2017

QUAD MAP



SHEET: 2-3

SURVEY NO. 5240

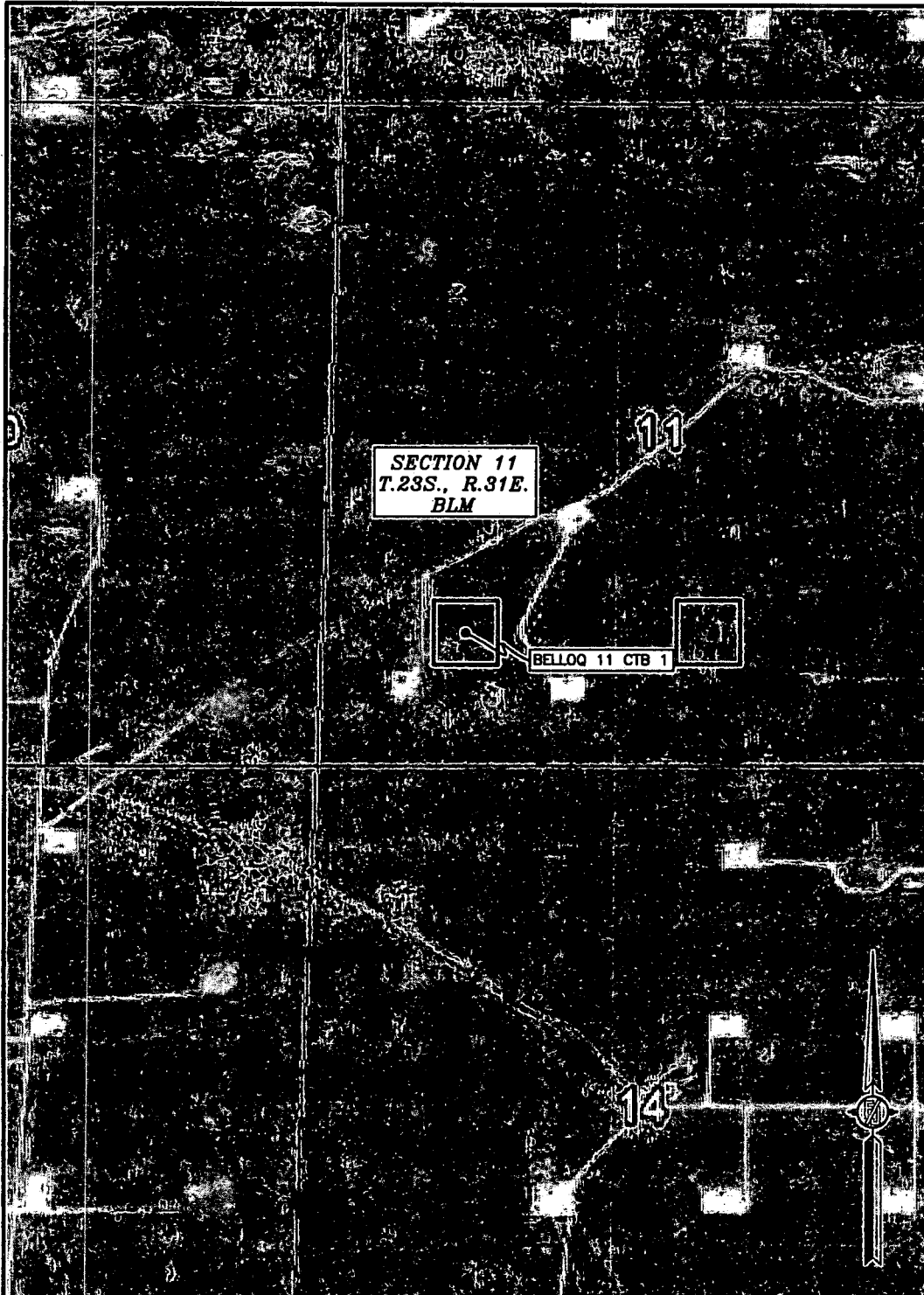
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(975) 234-3341

BELLOQ 11 CTB 1

DEVON ENERGY PRODUCTION COMPANY, L.P.
IN THE SW/4 SW/4 & SE/4 SW/4 & NW/4 SW/4 & NE/4 SW/4 OF
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

MAY 15, 2017

AERIAL PHOTO

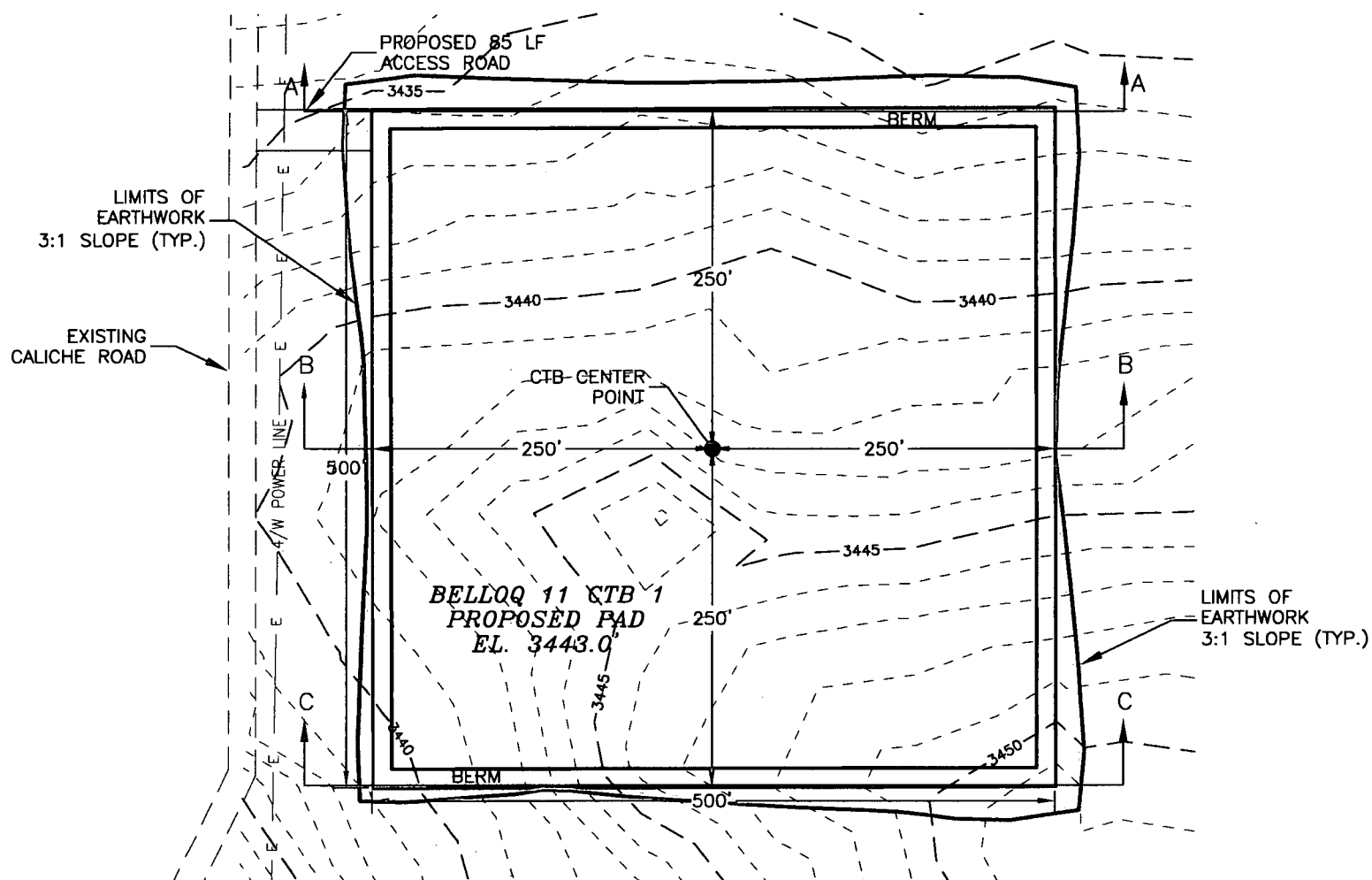


SHEET: 3-3

SURVEY NO. 5240

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

PLAN VIEW



DEVON ENERGY PRODUCTION COMPANY, L.P.
GRADING PLAN AND CROSS SECTIONS
FOR BELLOQ 11 CTB 1
SECTION 11, TOWNSHIP 23 SOUTH,
RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

0 12 60 120 240
SCALE 1" = 120'

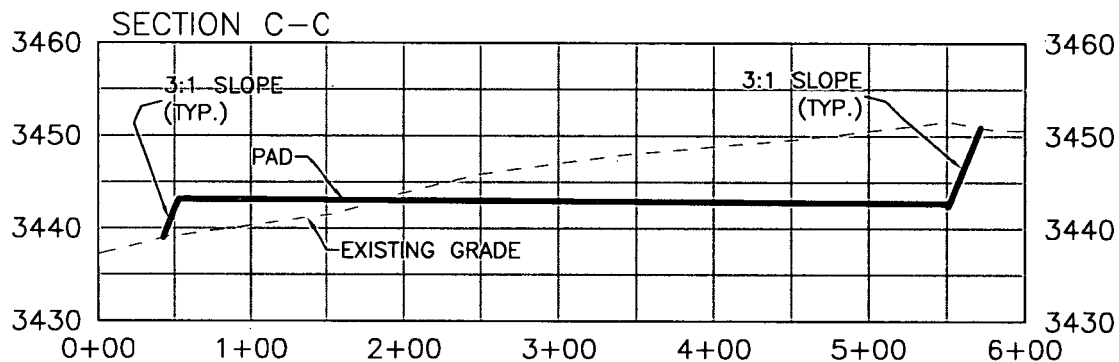
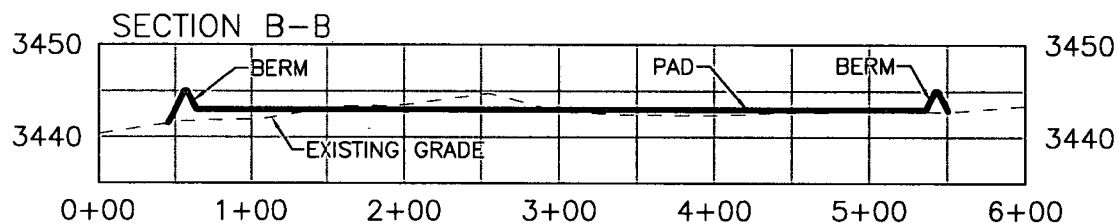
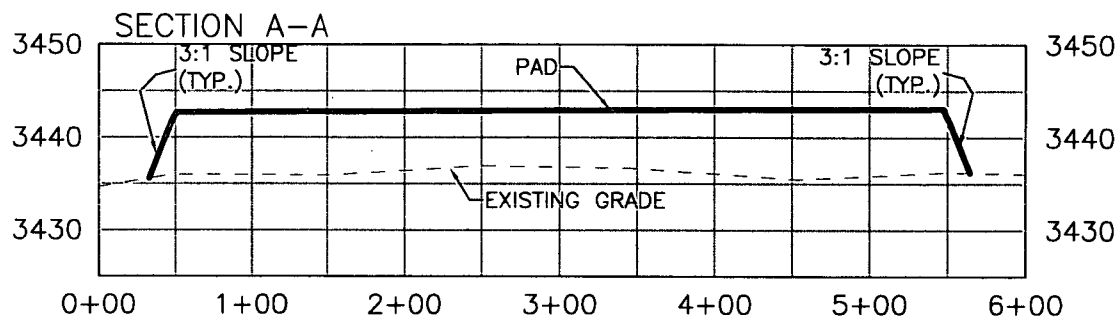
CUT	FILL	NET
11766 CU. YD	20087 CU. YD	8321 CU. YD (FILL)

EARTHWORK QUANTITIES ARE ESTIMATED

MAY 15, 2017
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SHEET 1-2
SURVEY NO. 5240

CROSS SECTIONS



DEVON ENERGY PRODUCTION COMPANY, L.P.
 GRADING PLAN AND CROSS SECTIONS
FOR BELLOQ 11 CTB 1
 SECTION 11, TOWNSHIP 23 SOUTH,
 RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

012 60 120 240
 SCALE 1" = 120' - 1" = 20' VER

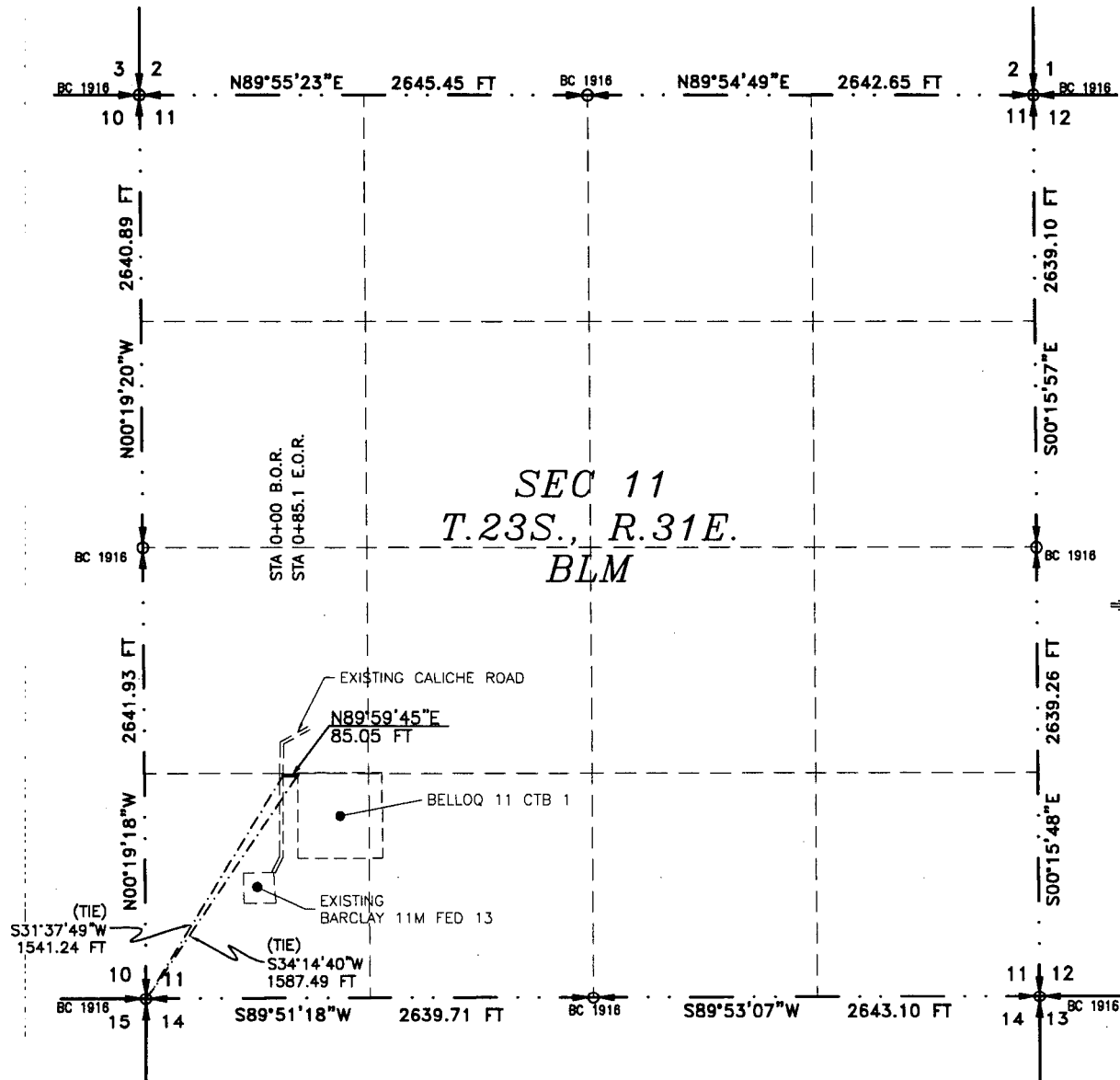
MAY 15, 2017

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
 (575) 234-3341

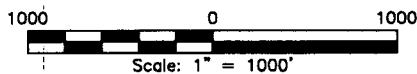
SHEET 2-2
 SURVEY NO. 5240

ACCESS ROAD PLAT
ACCESS ROAD TO THE BELLOQ 11 CTB 1

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
MAY 15, 2017



SEE NEXT SHEET (2-2) FOR DESCRIPTION



GENERAL NOTES

- 1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.
- 2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 1-2

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO; THIS 15 DAY OF MAY, 2017

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 5240

ACCESS ROAD PLAT
ACCESS ROAD TO THE BELLOQ 11 CTB 1

DEVON ENERGY PRODUCTION COMPANY, L.P.
CENTERLINE SURVEY OF AN ACCESS ROAD CROSSING
SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
MAY 15, 2017

DESCRIPTION

A STRIP OF LAND 30 FEET WIDE CROSSING BUREAU OF LAND MANAGEMENT LAND IN SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, STATE OF NEW MEXICO AND BEING 15 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WITHIN THE SW/4 SW/4 OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M., WHENCE THE SOUTHWEST CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S31°37'49"W, A DISTANCE OF 1541.24 FEET;

THENCE N89°59'45"E A DISTANCE OF 85.05 FEET THE TERMINUS OF THIS CENTERLINE SURVEY, WHENCE THE SOUTHWEST CORNER OF SAID SECTION 11, TOWNSHIP 23 SOUTH, RANGE 31 EAST, N.M.P.M. BEARS S34°14'40"W, A DISTANCE OF 1587.49 FEET;

SAID STRIP OF LAND BEING 85.05 FEET OR 5.15 RODS IN LENGTH, CONTAINING 0.059 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

SW/4 SW/4 85.05 L.F. 5.15 RODS 0.059 ACRES

SURVEYOR CERTIFICATE

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED AT CARLSBAD, NEW MEXICO, THIS 18 DAY OF MAY 2017

MADRON SURVEYING, INC.
301 SOUTH CANAL
CARLSBAD, NEW MEXICO 88220
Phone (575) 234-3341

SURVEY NO. 5240

GENERAL NOTES

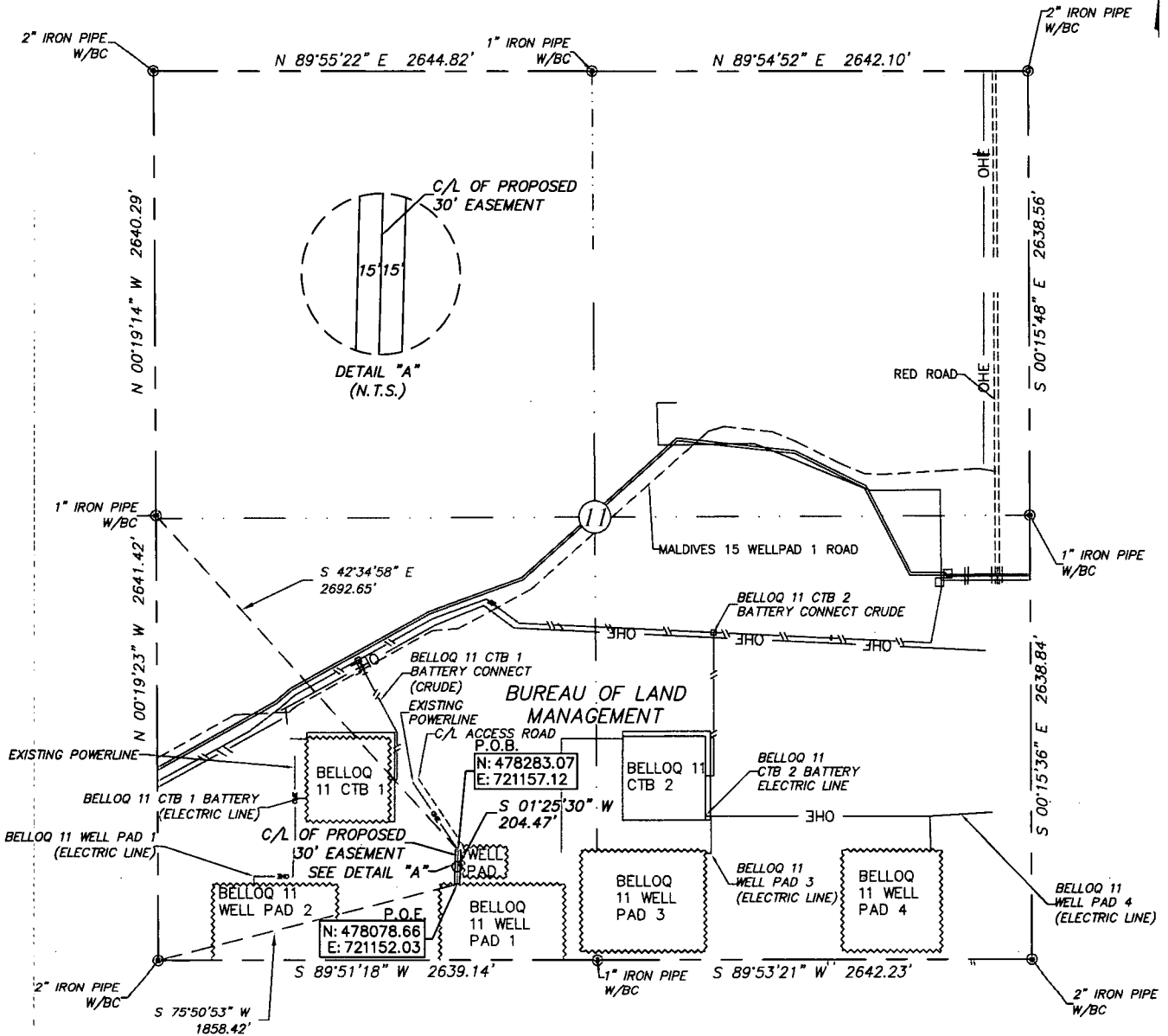
1.) THE INTENT OF THIS ROUTE SURVEY IS TO ACQUIRE AN EASEMENT.

2.) BASIS OF BEARING AND DISTANCE IS NMSP EAST (NAD83) MODIFIED TO SURFACE COORDINATES. NAD 83 (FEET) AND NAVD 88 (FEET) COORDINATE SYSTEMS USED IN THE SURVEY.

SHEET: 2-2

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 **CARLSBAD, NEW MEXICO**

EXHIBIT "A"
PAGE 1 of 4
ELECTRIC LINE PLAT
SECTION 11, T23S-R31E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



30' EASEMENT AREA = 0.141 ACRE(S)
204.47 FEET OR 12.39 RODS

0+00.0 P.O.B./EXISTING POWERLINE
2+04.5 P.O.E./BELLOQ 11 WELL PAD 1

SEE THE ATTACHED LEGAL DESCRIPTION

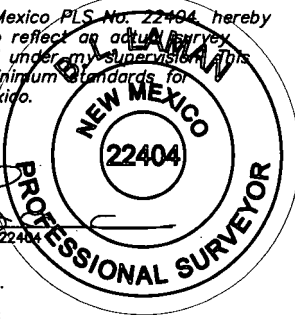
Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision and this survey meets the minimum standards for surveying in New Mexico.

0 1000 2000



B.L. Laman
Date Signed: 03-21-2018
Horizonrow, LLC
P.O. Box 548, Dry Creek, LA.
(903) 388-3045 70637
Employee of Horizonrow, LLC



HORIZON ROW LLC

Drawn for:

devon

Drawn by:
JEANNIE PERRY

Date: 03/11/2018

DEVON ENERGY PRODUCTION COMPANY, L.P.

BELLOQ 11 WELL PAD 1
ELECTRIC LINE

PROPOSED 30' EASEMENT
ON THE PROPERTY OF
BUREAU OF LAND MANAGEMENT
SECTION 11, T23S-R31E, N.M.P.M.

LINE NUMBER:
EL8028

WBS NUMBER:
CC-127671.10.FAC

SCALE:
1" = 1000'

REVISIONS:

SHEET:
1 OF 4

SECTION 11, T23S-R31E, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

ELECTRIC LINE PLAT

LEGAL DESCRIPTION

FOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

BUREAU OF LAND MANAGEMENT

30' EASEMENT DESCRIPTION:

BEING an easement thirty (30) feet in width lying fifteen (15) feet on the right side and fifteen (15) feet on the left side of the survey centerline described below, being out of Section 11, Township 23 South, Range 31 East, N.M.P.M., Eddy County, New Mexico, and being out of a parcel of land owned by the Bureau of Land Management. Said centerline of easement being more particularly described as follows:

Commencing from a 1" iron pipe w/ BC found for the west quarter corner of Section 11, T23S-R31E, N.M.P.M., Eddy County, New Mexico;

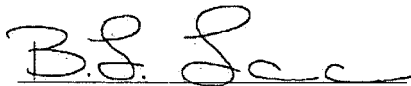
Thence S 42°34'58" E, a distance of 2692.65' to the **Point of Beginning** of this easement, having coordinates of Northing=478283.07 feet, Easting=721157.12 feet, and continuing the following courses;

Thence S 01°25'30" W, a distance of 204.47' to the **Point of Ending**, having coordinates of Northing=478078.66 feet, Easting=721152.03 feet, from said point a 2" iron pipe w/ BC found for the southwest corner of Section 11, T23S-R31E, N.M.P.M., Eddy County, New Mexico bears S 75°50'53" W a distance of 1858.42', covering a total of **204.47' or 12.39 rods** and having an area of **0.141 acres**.

NOTES:

Bearings, distances and coordinates shown herein are based on New Mexico State Plane Coordinate System, NAD 83, East Zone 3001, US Survey Feet, all distances are grid.

I, B.L. Laman, New Mexico PLS No. 22404, hereby certify this survey to reflect an actual survey made on the ground under my supervision. This survey meets the minimum standards for surveying in New Mexico.



B.L. Laman PLS 22404

Date Signed: 03/21/2018

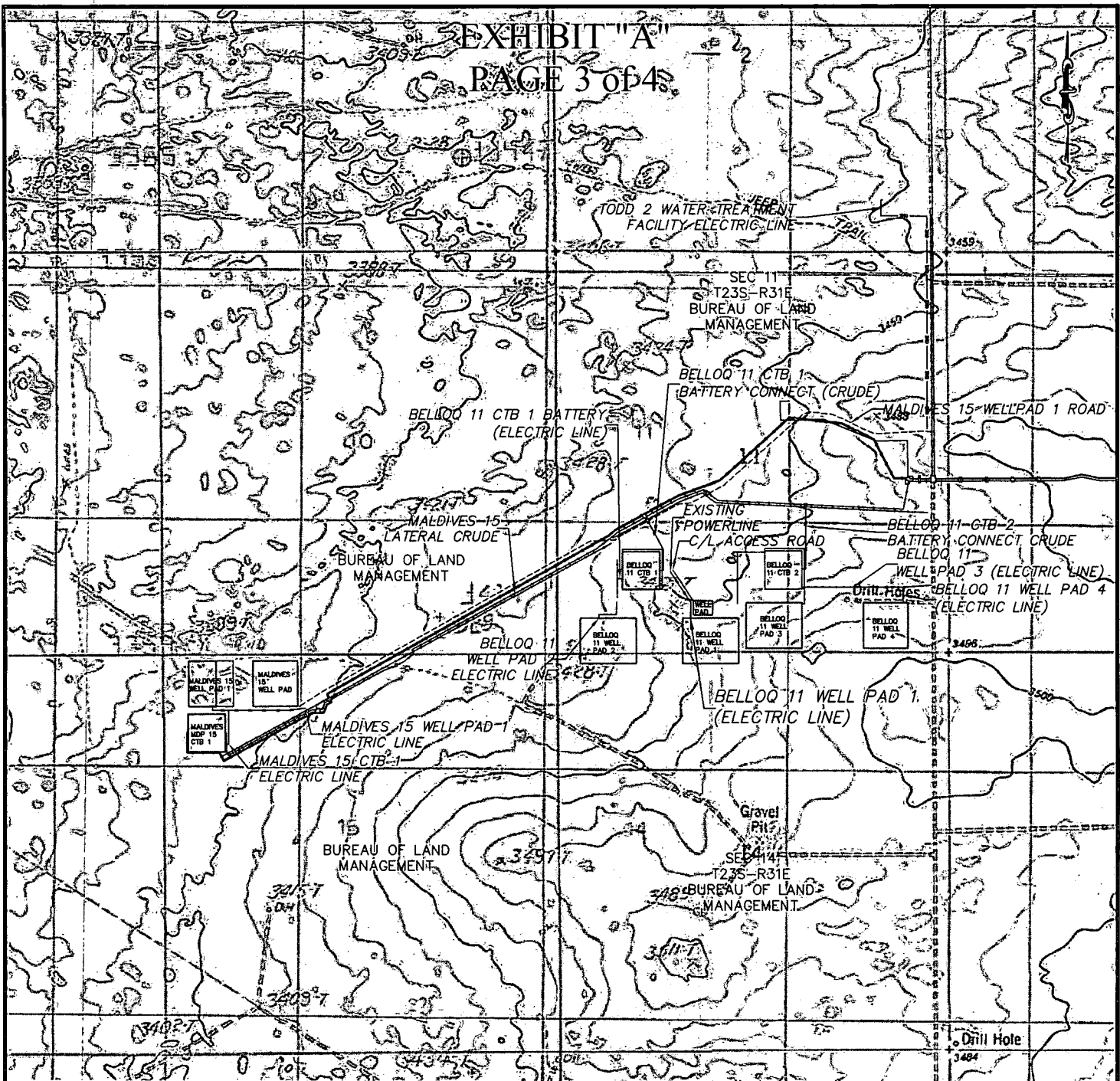
Horizon Row, LLC

P.O. Box 548, Dry Creek, LA

(903) 388-3045 70637

Employee of Horizon Row, LLC





QUAD MAP

SECTION 11, T23S-R31E, N.M.P.M.;
EDDY COUNTY, NEW MEXICO

HORIZON ROW LLC

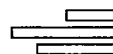
DEVON ENERGY PRODUCTION CO., L.P.

PROPOSED 30' EASEMENT

Drawn by:
JEANNIE PERRY

Date: 03/11/2018

Drawn for:



devon

LINE NUMBER:
EL8028

WBS NUMBER:
CC-127671.10.FAC

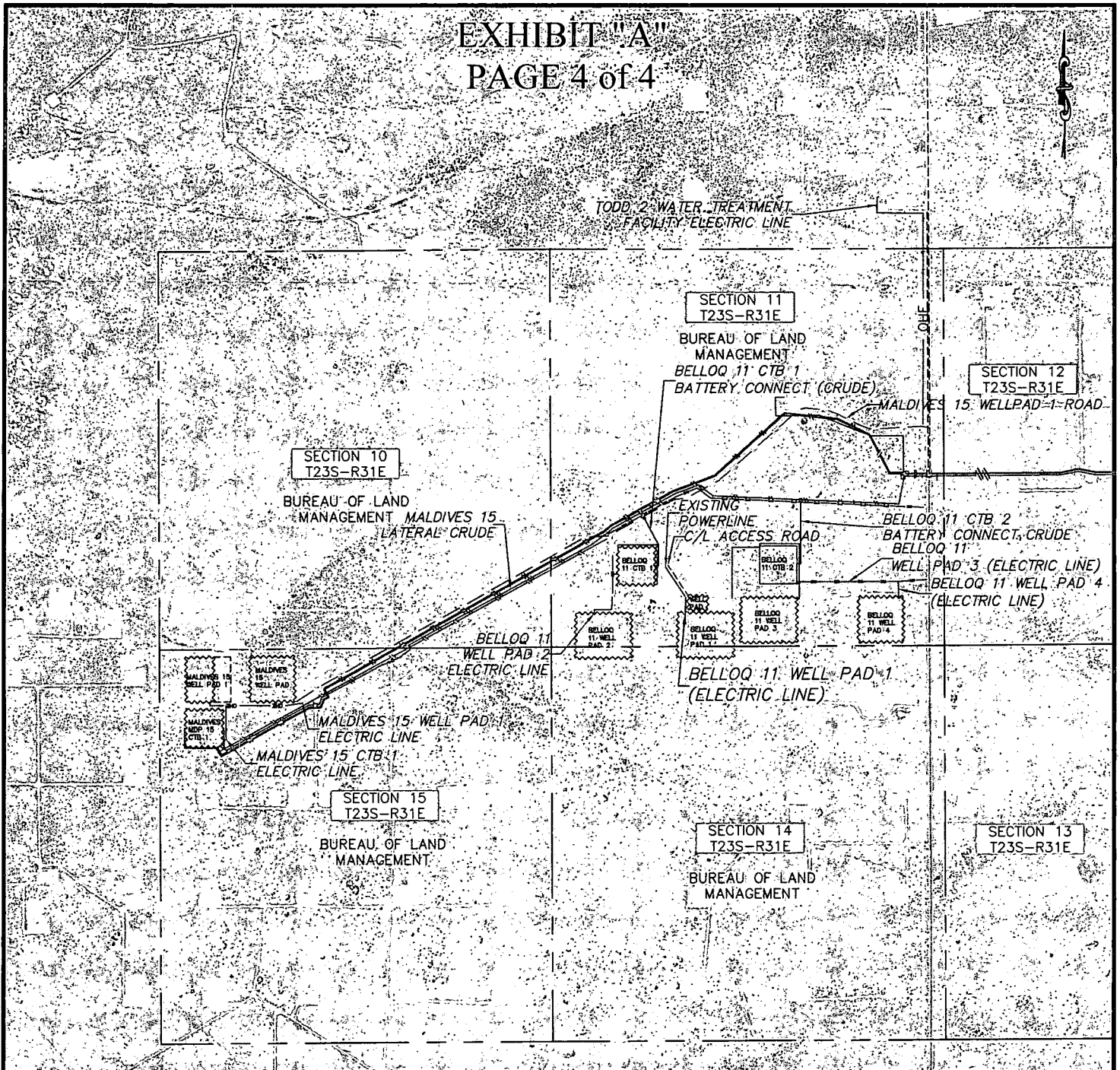
SCALE:
1" = 2000'

REVISIONS:

SHEET:
3 OF 4

EXHIBIT "A"

PAGE 4 of 4



AERIAL MAP

SECTION 11, T23S-R31E, N.M.P.M.;
EDDY COUNTY, NEW MEXICO

HORIZON ROW LLC	
DEVON ENERGY PRODUCTION CO., L.P.	
PROPOSED 30' EASEMENT	
Drawn by: JEANNIE PERRY	Date: 03/11/2018

Drawn for:



LINE NUMBER: EL8028
WBS NUMBER: CC-123117.18.ELE
SCALE: 1" = 2000'
REVISIONS:
SHEET: 4 OF 4



Receipt

Tracking Information

Pay.gov Tracking ID: 26F3G8H6

Agency Tracking ID: 75668973274

Form Name: Bureau of Land Management (BLM) Application for Permit to Drill (APD) Fee

Application Name: BLM Oil and Gas Online Payment

Payment Information

Payment Type: Bank account (ACH)

Payment Amount: \$40,200.00

Transaction Date: 01/30/2019 11:23:59 AM EST

Payment Date: 01/31/2019

Company: Devon Energy Production Company, L.P.

APD IDs: 10400038616, 10400038618, 10400038619, 10400038571

Lease Numbers: NMNM0404441, NMNM0404441, NMNM0404441, NMNM0404441

Well Numbers: 521H, 523H, 513H, 522H

Note: You will need your Pay.gov Tracking ID to complete your APD transaction in AFMSS II. Please ensure you write this number down upon completion of payment.

Account Information

Account Holder Name: Devon Energy Production Company, L.P.

Routing Number: 061000052

Account Number: *****9892



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Bond Info Data Report

10/09/2019

APD ID: 10400038571

Submission Date: 01/31/2019

Highlighted data
reflects the most
recent changes

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: BELLOQ 11-2 FED STATE COM

Well Number: 522H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Bond Information

Federal/Indian APD: FED

BLM Bond number: CO1104

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: