

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018UNITED 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.
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		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-53470
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
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	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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.
2. A Drilling Plan.
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). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM. |
|---|---|

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		
Office		

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.

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 08/09/2024

MILLIE MILE 13-24 FED COM 603H

APD - Geology COAs (Not in Potash or WIPP)

- For at least one well per pad (deepest well within initial development preferred) the record of the drilling rate (ROP) along with the Gamma Ray (GR) and Neutron (CNL) well logs run from TVD to surface in the vertical section of the hole shall be submitted to the BLM office as well as all other logs run on the full borehole 30 days from completion. Any other logs run on the wellbore, excluding cement remediation, should also be sent. Only digital copies of the logs in .TIF or .LAS formats are necessary; paper logs are no longer required. Logs shall be emailed to blm-cfo-geology@doimspp.onmicrosoft.com. Well completion report should have .pdf copies of any CBLs or Temp Logs run on the wellbore.
- Exceptions: In areas where there is extensive log coverage (in particular the salt zone adjacent to a pad), Operators are encouraged to contact BLM Geologists to discuss if additional GR and N logs are necessary on a pad. Operator may request a waiver of the GR and N log requirement due to good well control or other reasons to be approved by BLM Geologist prior to well completion. A waiver approved by BLM must be attached to completion well report to satisfy COAs.
- The top of the Rustler, top and bottom of the Salt, and the top of the Capitan Reef (if present) are to be recorded on the Completion Report.

Please be aware:

- Abnormal pressures may be encountered upon penetrating the 3rd Bone Spring Sandstone and all subsequent formations.
- H₂S has been reported from multiple formations within one mile of the proposed project. Measurements up to 600ppm were recorded from the Seven Rivers, Bone Spring, and Morrow.

Questions? Contact Chris Armistead, BLM Geologist at 575-234-5715 or carmistead@blm.gov

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazon Road, Artec, NM 87410
District IV
1220 S. St Francis Dr., NM 87505
Phone: (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-53470	² Pool Code 59500	³ Pool Name Tonto; Wolfcamp
⁴ Property Code 336234	⁵ Property Name MILLIE MILE 13-24 FED COM	⁶ Well Number #603H
⁷ OGRID No. 102302 332544	⁸ Operator Name FOR RESOURCES INC PBEX Operations, LLC	⁹ Elevation 3,708'

¹⁰ Surface Location

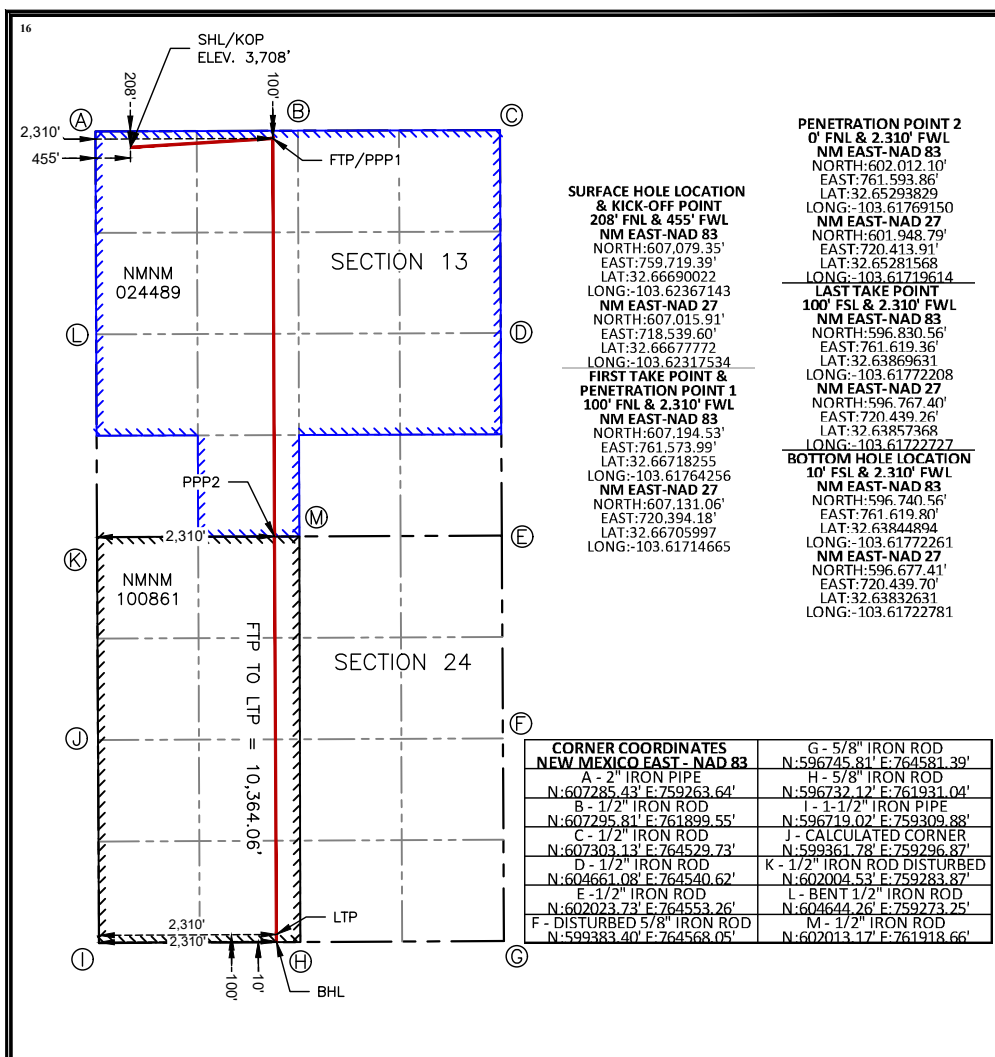
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	19 S	33 E		208'	NORTH	455'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	24	19 S	33 E		100'	SOUTH	2,310'	WEST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Mikah Thomas 5/13/24
Signature Date
Mikah Thomas
Printed Name Date
mikah@pbex.com
Email Address Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date: 04/26/2024



MARK J. MURRAY P.L.S. NO. 12177

Intent ☒ As Drilled ☐

API #

Operator Name: EGL RESOURCES INC.	Property Name: MILLIE MILE 13-24 FED COM	Well Number #603H
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Kick Off Point (KOP)

UL D	Section 13	Township 19 S	Range 33 E	Lot	Feet 208	From N/S NORTH	Feet 455	From E/W WEST	County LEA
Latitude 32.66690022					Longitude -103.62367143			NAD 83	

First Take Point (FTP)

UL C	Section 13	Township 19 S	Range 33 E	Lot	Feet 100	From N/S NORTH	Feet 2,310	From E/W WEST	County LEA
Latitude 32.66718255					Longitude -103.61764256			NAD 83	

Last Take Point (LTP)

UL N	Section 24	Township 19 S	Range 33 E	Lot	Feet 100	From N/S SOUTH	Feet 2,310	From E/W WEST	County LEA
Latitude 32.63869631					Longitude -103.61772208			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018

Intent ☒ As Drilled ☐

API #

Operator Name: EGL RESOURCES INC.	Property Name: MILLIE MILE 13-24 FED COM	Well Number #603H
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Kick Off Point (KOP)

UL D	Section 13	Township 19 S	Range 33 E	Lot	Feet 208	From N/S NORTH	Feet 455	From E/W WEST	County LEA
Latitude 32.66677772					Longitude -103.62317534			NAD 27	

First Take Point (FTP)

UL C	Section 13	Township 19 S	Range 33 E	Lot	Feet 100	From N/S NORTH	Feet 2,310	From E/W WEST	County LEA
Latitude 32.66705997					Longitude -103.61714665			NAD 27	

Last Take Point (LTP)

UL N	Section 24	Township 19 S	Range 33 E	Lot	Feet 100	From N/S SOUTH	Feet 2,310	From E/W WEST	County LEA
Latitude 32.63857368					Longitude -103.61722727			NAD 27	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018

**PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	EGL Resources Incorporated
LEASE NO.:	NMNM24489
LOCATION:	Section 13, T.19 S., R.33 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Millie Mile 13-24 Fed Com 603H
BOTTOM HOLE FOOTAGE	100'/S & 2310'/W
ATS/API ID:	ATS-24-1098
APD ID:	10400097439
Sundry ID:	N/a
Date APD Submitted:	N/a

COA

H2S	Yes		
Potash	None	None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☒ None	☒ Flex Hose	☒ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String	Capitan Reef None	☐ WIPP
Other	Pilot Hole Int 1	☐ Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention None	
Special Requirements Variance	☐ Break Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Seven Rivers, Bone Springs, and Morrow** formations. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** 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 **1835 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - 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 **8 hours** 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 **8-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Pilot Hole:

Option 1:

The pilot hole plugging procedure is approved as written. Note plug tops on subsequent drilling report. The BLM is to be contacted 24 hours prior to the commencement of any plugging operations (**575-689-5981 Lea County**) and when tagging the plugs.

- ❖ Mud Requirement: Mud shall be placed between all or below plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of **fresh** water. Minimum nine (9) pounds per gallon.
- ❖ Cement requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.
- ❖ Subsequent Plugging Reporting: Within 30 days after plugging work is completed to the BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date pilot hole was plugged and tagged.**

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

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

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 **5000 (5M)** psi.

- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 8-5/8 inch intermediate casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 13-3/8 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, 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.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- 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)

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

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 **43 CFR part 3170 Subpart 3172** 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.

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 of both lead and tail cement, 2) until cement has been in place at least 8 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 **43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. 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 43 CFR 3172.6(b)(9) 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 cement), 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 cement plug. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** 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 8 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 **43 CFR part 3170 Subpart 3172**.

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.

Long Vo (LVO) 8/5/2024



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

Operator Certification Data Report

08/15/2024

Operator

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: MIKAH THOMAS

Signed on: 03/07/2024

Title: Regulatory Manager

Street Address: 223 WEST WALL STREET STE 900

City: MIDLAND

State: TX

Zip: 79701

Phone: (432)661-7106

Email address: MIKAH@PBEX.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

08/15/2024

APD ID: 10400097439

Submission Date: 03/07/2024

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data
reflects the most
recent changes
[Show Final Text](#)

Section 1 - General

APD ID: 10400097439

Tie to previous NOS? N

Submission Date: 03/07/2024

BLM Office: Carlsbad

User: MIKAH THOMAS

Title: Regulatory Manager

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM24489

Lease Acres:

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? Y

Permitting Agent? NO

APD Operator: EGL RESOURCES INCORPORATED

Operator letter of

Operator Info

Operator Organization Name: EGL RESOURCES INCORPORATED

Operator Address: P O BOX 10886

Zip: 79702

Operator PO Box: P O BOX 10886

Operator City: MIDLAND

State: TX

Operator Phone: (432)687-6560

Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: TONTO

Pool Name: WOLCAMP

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N

Use Existing Well Pad? N

New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name: Millie Mile 13-24 Fed Com

Number: 1

Well Class: HORIZONTAL

Number of Legs: 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 28 Miles

Distance to nearest well: 220 FT

Distance to lease line: 199 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: 23_101303_Millie_Mile_13_24_Fed_Com_603H_C102_Supplemental_Pages_20240513135640.pdf

23_101303_Millie_Mile_13_24_Fed_Com_603H_C102_Rev_3_20240628100634.pdf

Well work start Date: 08/01/2024

Duration: 90 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 12177

Reference Datum: KELLY BUSHING

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	208	FNL	455	FW L	19S	33E	13	Aliquot NENW	32.6669002	- 103.6236714	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 24489	3708	0	0	Y
KOP Leg #1	208	FNL	455	FW L	19S	33E	13	Aliquot NENW	32.6687572	- 103.6176381	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 24489	- 7199	11230	10907	Y

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-1	100	FNL	2310	FWL	19S	33E	13	Aliquot NENW	32.6671825	- 103.6176425	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 24489	- 7772	12130	11480	Y
PPP Leg #1-2	0	FNL	2310	FWL	19S	33E	24	Aliquot NENW	32.6529382	- 103.6176915	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100861	- 7772	17312	11480	Y
EXIT Leg #1	100	FSL	2310	FWL	19S	33E	24	Aliquot SESW	32.6386963	- 103.617722	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100861	- 7772	22494	11480	Y
BHL Leg #1	10	FSL	2310	FWL	19S	33E	24	Aliquot SESW	32.6384489	- 103.6177226	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100861	- 7772	22584	11480	Y



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

Drilling Plan Data Report

08/15/2024

APD ID: 10400097439

Submission Date: 03/07/2024

Highlighted data
reflects the most
recent changes

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13932842	QUATERNARY	3708	0	0	ALLUVIUM	NONE	N
13932843	RUSTLER	2143	1565	1565	ANHYDRITE, LIMESTONE, SANDSTONE	NONE	N
13932844	TOP SALT	1838	1870	1870	ANHYDRITE, SALT	NONE	N
13932862	BASE OF SALT	593	3115	3125	ANHYDRITE, SALT	NONE	N
13932854	YATES	423	3285	3305	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932845	SEVEN RIVERS	-2	3710	3740	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932846	QUEEN	-572	4280	4320	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932863	GRAYBURG	-862	4570	4610	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932864	SAN ANDRES	-1392	5100	5140	BRECCIA, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932848	CHERRY CANYON	-1962	5670	5710	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932849	BRUSHY CANYON	-2652	6360	6410	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932850	BONE SPRING LIME	-4152	7860	7900	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932865	BONE SPRING	-4252	7960	8000	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932851	BONE SPRING 1ST	-5372	9080	9160	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932853	BONE SPRING 2ND	-5682	9390	9480	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
13932855	BONE SPRING 2ND	-5892	9600	9690	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932856	BONE SPRING 3RD	-6447	10155	10255	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13932857	BONE SPRING 3RD	-6792	10500	10620	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932859	WOLFCAMP	-7077	10785	10915	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
13932860	WOLFCAMP	-7182	10890	10890	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
13932861	WOLFCAMP	-7222	10930	11080	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
13932866	WOLFCAMP	-7712	11420	11570	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932867	WOLFCAMP	-7822	11530	11680	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932868	STRAWN	-8392	12100	12100	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M**Rating Depth:** 15000

Equipment: A 13.625" 10M Blowout Preventer system will be installed on a multi-bowl (speed head) wellhead with a 13.625" flanged casing spool. Top flange of casing spool will be set in a cellar below ground level. BOP system will consist of a single pipe ram on the bottom, mud cross, double pipe ram with blind rams on bottom and pipe rams on top, and annular preventer. Blowout preventer will be installed on top of the 13.375 surface casing and will remain installed to TD of the well. Wellhead, blowout preventer, and choke manifold diagram are included.

Requesting Variance? YES

Variance request: Variance is requested to use a co-flex hose between the BOP system and choke manifold. A typical co-flex pressure test certificate is attached. An equipment specific co-flex pressure test certificate will be on site when testing the BOP.

Testing Procedure: All casing strings will be tested in accordance with Onshore Order 2 III.B.1.h. The BOP system will be isolated and tested by an independent tester to 250 psi low and 10,000 psi high for 10 minutes. per CFR 3172 requirements. If 10M system, we will test annular to 100% of WP (5,000 psi) The Surface Casing will be pressure tested to 250 psi low and 1500 psi high. Intermediate Casing will be pressure tested to 250 psi low and (.22 psi x Length of casing, which is equivalent to 2404.6 psi) high for 30 minutes

Choke Diagram Attachment:

PBEX_10M_Choke_Manifold_20240628101208.pdf

BOP Diagram Attachment:

PBEX_10M_BOP_Diagram_20240628101216.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COMWell Number: 603H

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1835	0	1835	3708	1873	1835	J-55	54.5	OTHER - BTC	1.125	1.125	BUOY	1.6	BUOY	1.6
2	INTERMEDIATE	9.875	8.625	NEW	API	N	0	10930	0	10780	3708	-7072	10930	P-110	32	OTHER - Talon HTQ	1.125	1.125	BUOY	1.6	BUOY	1.6
3	PRODUCTION	7.875	5.5	NEW	API	N	0	22584	0	12100	3709	-8392	22584	P-110	20	OTHER - DWC/C-IS+	1.125	1.125	BUOY	1.6	BUOY	1.6

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375_54.5000_0.3800_J55_data_sheet_20240307055806.pdf

Casing_Design_Assmpt_3_string_casing_20240513140735.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Casing Attachments

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

8.625_P110HP_TALON_HTQ_Casing_Spec_20230407121740_20240307055746.pdf

Casing_Design_Assmpt_3_string_casing_20240513140724.pdf

Casing ID: 3StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.5in_P110_EC_Casing_Spec_20240307055725.pdf

Casing_Design_Assmpt_3_string_casing_20240307055730.pdf

5.5_20.00_P110HP_CDC_HTQ_Data_Sheet_20240709145454.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1200	751	2.22	12.5	1667.3	100	Class C	Gel, Accelerator, LCM
SURFACE	Tail		1200	1835	479	1.84	13.2	882.3	100	Class C	Gel, Accelerator, LCM
INTERMEDIATE	Lead		0	9780	393	6.19	10	2435	60	Class C or H	Fluid Loss, Retarder, LCM, Possibly beads

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		9780	10930	130	1.38	13.8	179.4	15	Class C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		7780	10780	353	1.49	12.5	526.3	0	Class H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		10780	22584	1647	1.49	13.5	2454.3	20	Class H	Fluid Loss, Retarder, LCM

Section 5 - Circulating Medium

Mud System Type: Closed**Will an air or gas system be Used?** NO**Description of the equipment for the circulating system in accordance with Onshore Order #2:****Diagram of the equipment for the circulating system in accordance with Onshore Order #2:**

Describe what will be on location to control well or mitigate other conditions: An electronic PVT mud system will monitor flow rate, pump pressure, stroke rate, and volume. All necessary mud products (barite, bentonite, LCM) to control weight and fluid loss will be on site at all times. Mud program may change due to hole conditions. A closed loop system will be used.

Describe the mud monitoring system utilized: electronic PVT mud system

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1835	10780	SALT SATURATED	8.8	9.6							
10780	22584	OIL-BASED MUD	12.5	13.5							
0	1835	WATER-BASED MUD	8.3	8.3							

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

A 2-person mud logging program will be used from 3000 to TD. GR log will be acquired by MWD tools from the intermediate casing to TD.

List of open and cased hole logs run in the well:

GAMMA RAY LOG,

Coring operation description for the well:

Plug cores and logging runs are planned for this well. After drilling intermediate to casing point (~10,780' TVD) we will take ~75 plug cores as well as logging runs from casing point up to 7,000'. The same plug cores and logs will be taken in the production pilot hole from the base of the Wolfcamp (~12,100' TVD) up to intermediate casing point (10,780' TVD). We will spot cement plugs up through the pilot hole and use the cement plug to kickoff our production curve.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7462

Anticipated Surface Pressure: 4936

Anticipated Bottom Hole Temperature(F): 240

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

EGL_H2S_Plan_20240118111903.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Millie_Mile_13_24_Fed_Com_603H_Plan_3_20240513141225.pdf

Millie_Mile_13_24_Fed_Com_603H_Plan_3_AC_Report_20240513141228.pdf

Millie_Mile_13_24_Fed_Com_603H_Plan_3_Plot_20240513141231.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Rig_597ST_I2_Rig_Layout_Pad_20240513141244.pdf

Choke_Kill_Line_Certs_20240513141246.pdf

Speedhead_Specs_3string_20230407122522_20240513141249.pdf

Wellhead_3T_Design_20240513141252.pdf

Well_Control_Plan_PBEX_v2_20240709145549.pdf

Millie_Mile_603H_Drill_Plan_3S_with_pilot_hole_details_10M_070324_v10_20240724113707.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

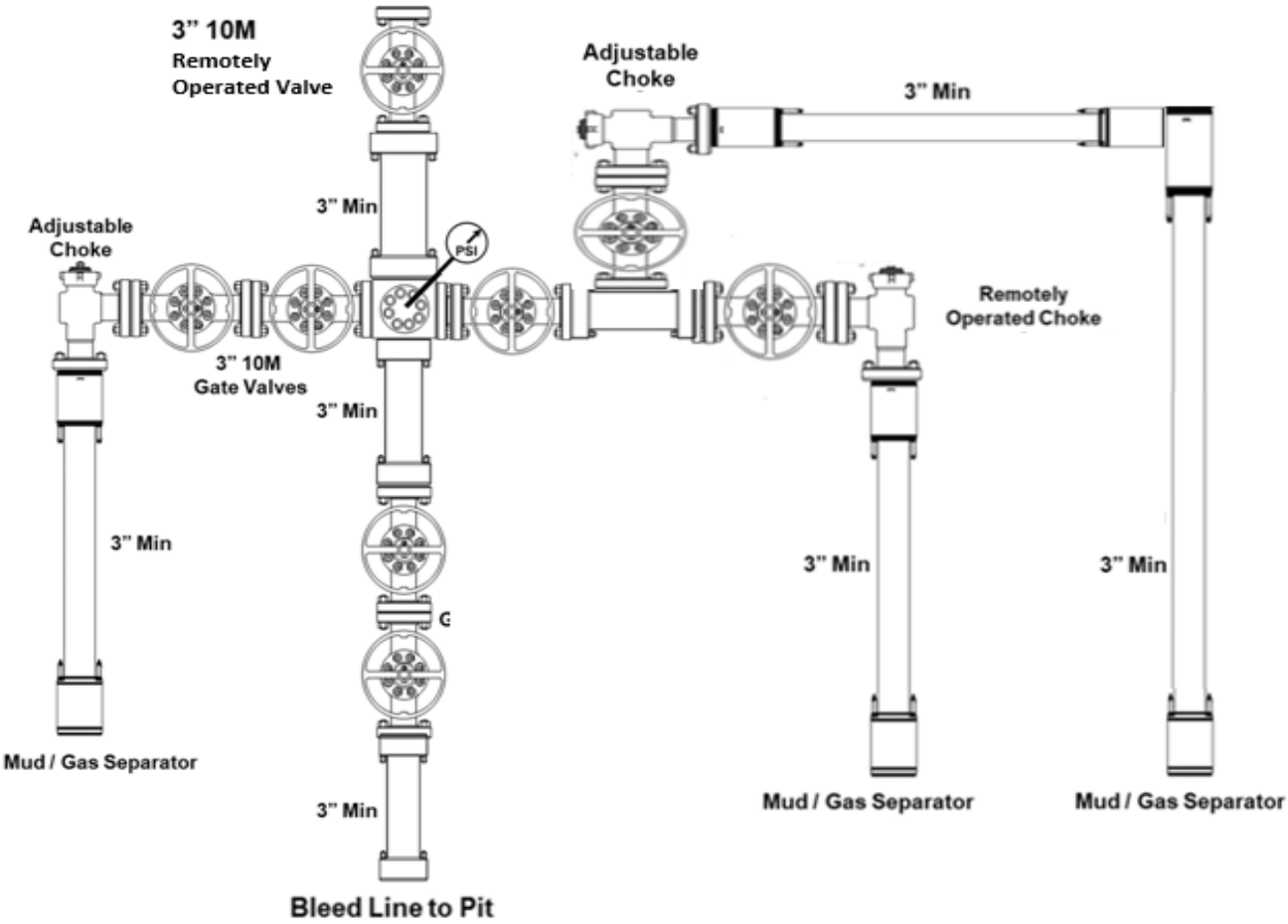
Other Variance attachment:

CONFIDENTIAL

	PBEX	Date	6/05/2024
	223 W. Wall St #900 Midland, TX 79701	Page No.	1 of 1

10M CHOKE MANIFOLD SCHEMATIC

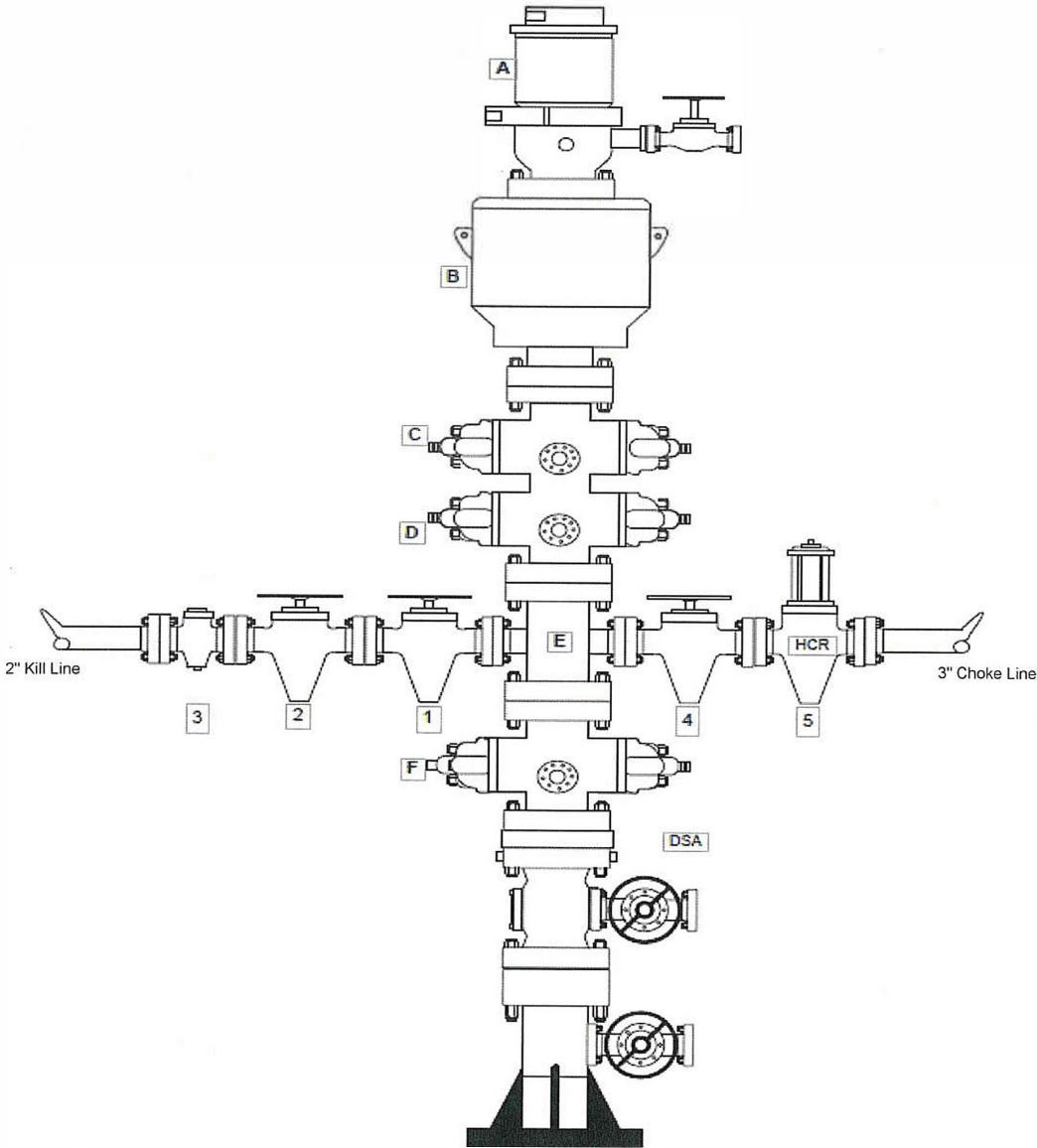
ITEM	SIZE	PRESSURE	DESCRIPTION



	PBEX	Date	6/05/2024
	223 W. Wall St #900 Midland, TX 79701	Page No.	1 of 1

10M BLOWOUT PREVENTER SCHEMATIC

BLOWOUT PREVENTOR COMPONENTS			
ITEM	SIZE	PRESSURE	DESCRIPTION
A	13-5/8"	1,500 psi	Rotating Head + Valve
B	13-5/8"	5,000 psi	Annular Preventer
C	13-5/8"	10,000 psi	Pipe Rams
D	13-5/8"	10,000 psi	Blind Rams
E	13-5/8"	10,000 psi	Mud Cross
F	13-5/8"	10,000 psi	Pipe Rams



KILL LINE			
ITEM	SIZE	PRESSURE	DESCRIPTION
1	2"	10,000 psi	Gate Valve
2	2"	10,000 psi	Gate Valve
3	2"	10,000 psi	Check Valve

CHOKE LINE			
ITEM	SIZE	PRESSURE	DESCRIPTION
4	3"	10,000 psi	Gate Valve
5	3"	10,000 psi	HCR Valve

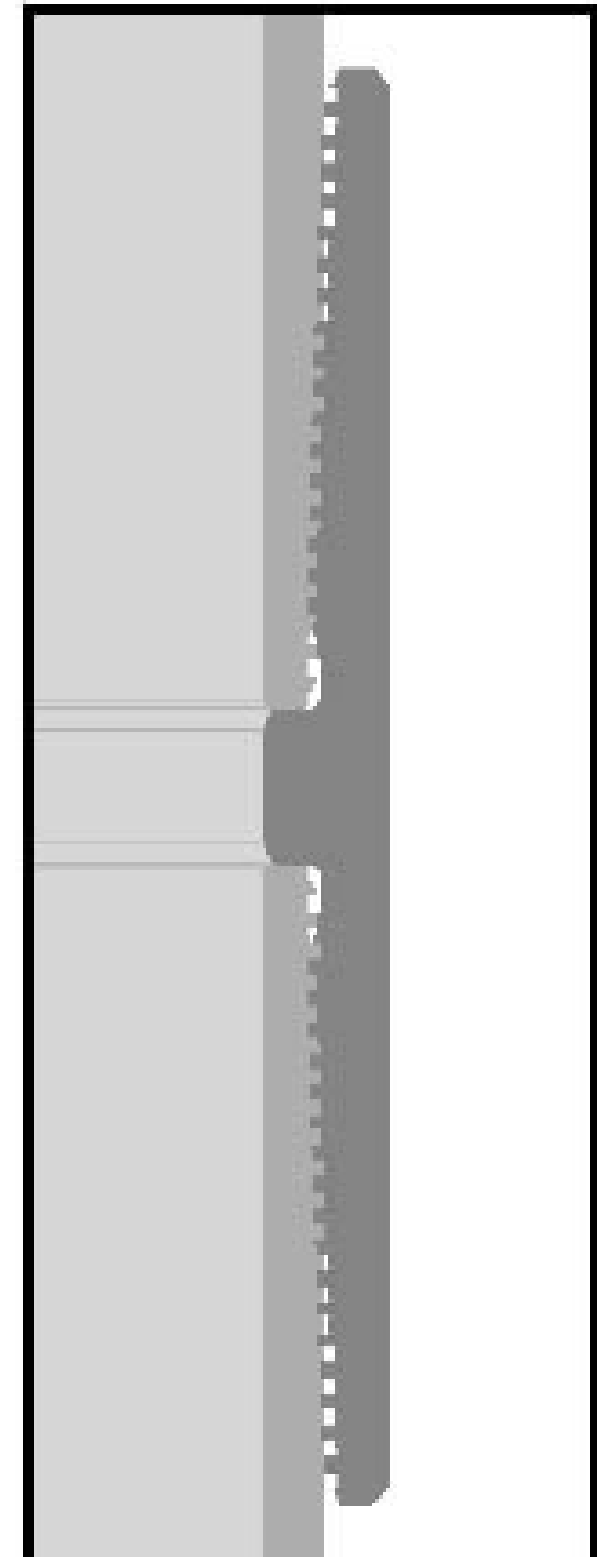
Technical Specifications

Connection Type:	Size(O.D.):	Weight (Wall):	Grade:
DWC/C-IS PLUS Casing standard	5-1/2 in	20.00 lb/ft (0.361 in)	VST P110 EC

VST P110 EC	Material
125,000	Grade
135,000	Minimum Yield Strength (psi)
	Minimum Ultimate Strength (psi)
	Pipe Dimensions
5.500	Nominal Pipe Body O.D. (in)
4.778	Nominal Pipe Body I.D.(in)
0.361	Nominal Wall Thickness (in)
20.00	Nominal Weight (lbs/ft)
19.83	Plain End Weight (lbs/ft)
5.828	Nominal Pipe Body Area (sq in)
	Pipe Body Performance Properties
729,000	Minimum Pipe Body Yield Strength (lbs)
12,090	Minimum Collapse Pressure (psi)
14,360	Minimum Internal Yield Pressure (psi)
13,100	Hydrostatic Test Pressure (psi)
	Connection Dimensions
6.300	Connection O.D. (in)
4.778	Connection I.D. (in)
4.653	Connection Drift Diameter (in)
4.13	Make-up Loss (in)
5.828	Critical Area (sq in)
100.0	Joint Efficiency (%)
	Connection Performance Properties
729,000	Joint Strength (lbs)
26,040	Reference String Length (ft) 1.4 Design Factor
728,000	API Joint Strength (lbs)
729,000	Compression Rating (lbs)
12,090	API Collapse Pressure Rating (psi)
14,360	API Internal Pressure Resistance (psi)
104.2	Maximum Uniaxial Bend Rating [degrees/100 ft]
	Appoximated Field End Torque Values
16,600	Minimum Final Torque (ft-lbs)
19,100	Maximum Final Torque (ft-lbs)
21,600	Connection Yield Torque (ft-lbs)



VAM USA
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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.

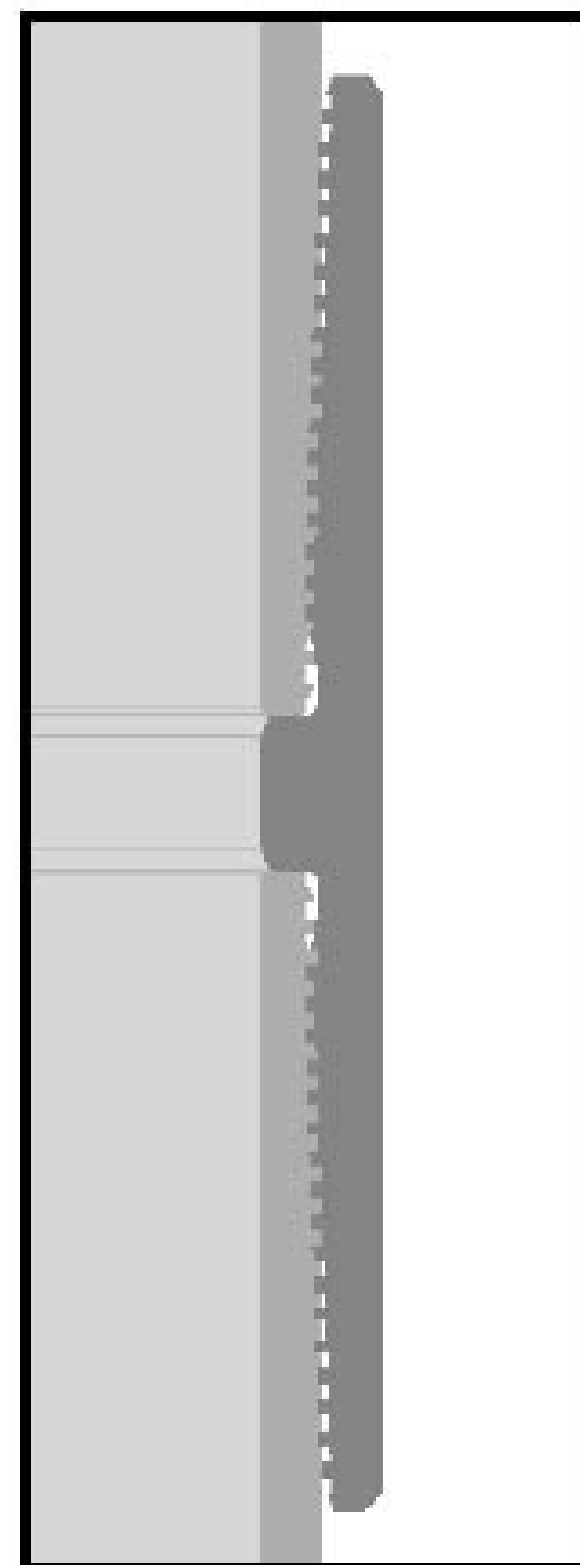
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2/6/2015



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.

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2/6/2015

3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

- a. Full internal Evacuation: Collapse force is equal to mud gradient (0.433 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.718 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8727 in water (8.33 ppg).

Intermediate Casing

Collapse: $DF_C = 1.125$

- a. Full Internal Evacuation: Collapse force is equal to mud gradient (0.531 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.626 psi/ft) in which the casing will be run and internal force equivalent to the displacement of fluid gradient.

Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but to exceed 70% of the minimum internal yield.
- b. Gas Kick: Internal burst load of a 50 bbl gas kick at the casing with drill pipe in the hole. External force will be 10.2 ppg brine water gradient (0.531 psi/ft) and internal force will be with 10.0 ppg brine water gradient (0.521 psi/ft) with gas kick.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8441 in brine water (10.2 ppg).

Production Casing

Collapse: $DF_C = 1.125$

- a. Full Internal Evacuation: Collapse force is equal to mud gradient (0.531 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.688 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

- a. Pressure Test: Pressure test will be to 80% of Internal Yield Pressure of casing intended for fracture stimulation.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8472 in oil-based mud (10.0 ppg).



U. S. Steel Tubular Products

5.500" 20.00lb/ft (0.361" Wall) P110 HP USS-CDC HTQ®

5/3/2024 11:30:57 AM

MECHANICAL PROPERTIES		Pipe	USS-CDC HTQ®	
Minimum Yield Strength	125,000	--	psi	
Maximum Yield Strength	140,000	--	psi	
Minimum Tensile Strength	130,000	--	psi	
DIMENSIONS		Pipe	USS-CDC HTQ®	
Outside Diameter	5.500	6.300	in.	
Wall Thickness	0.361	--	in.	
Inside Diameter	4.778	4.778	in.	
Standard Drift	4.653	4.653	in.	
Alternate Drift	--	--	in.	
Nominal Linear Weight, T&C	20.00	--	lb/ft	
Plain End Weight	19.83	--	lb/ft	
SECTION AREA		Pipe	USS-CDC HTQ®	
Critical Area	5.828	5.828	sq. in.	
Joint Efficiency	--	97.0	%	
PERFORMANCE		Pipe	USS-CDC HTQ®	
Minimum Collapse Pressure	13,150	13,150	psi	
External Pressure Leak Resistance	--	10,520	psi	
Minimum Internal Yield Pressure	14,360	14,360	psi	
Minimum Pipe Body Yield Strength	729,000	--	lb	
Joint Strength	--	707,000	lb	
Compression Rating	--	424,000	lb	
Reference Length	--	23,567	ft	
Maximum Uniaxial Bend Rating	--	60.6	deg/100 ft	
MAKE-UP DATA		Pipe	USS-CDC HTQ®	
Make-Up Loss	--	4.63	in.	
Minimum Make-Up Torque	--	14,500	ft-lb	
Maximum Make-Up Torque	--	20,500	ft-lb	
Connection Yield Torque	--	25,300	ft-lb	

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness and Specified Minimum Yield Strength (SMYS).
2. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
3. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
4. Reference length is calculated by joint strength divided by nominal threaded and coupled weight with 1.5 safety factor.
5. Connection external pressure leak resistance has been verified to 80% API pipe body collapse pressure following the guidelines of API 5C5 Cal II.

Legal Notice

USS - CDC HTQ® (High Torque Casing Drilling Connection) is a trademark of U. S. Steel Corporation. This product is a modified API Buttress threaded and coupled connection designed for drilling with casing applications. 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

DRAFT



U. S. Steel Tubular Products

8 5/8 32.00 lb (0.352) P110 HP

USS-TALON HTQ™RD9.000

	PIPE	CONNECTION	
MECHANICAL PROPERTIES [6]			
Minimum Yield Strength	125,000		psi
Maximum Yield Strength	140,000		psi
Minimum Tensile Strength	130,000		psi
DIMENSIONS			
Outside Diameter	8.625	9.000	in.
Wall Thickness	0.352		in.
Inside Diameter	7.921	7.921	in.
Drift - API	7.796		in.
Nominal Linear Weight, T&C	32.00	32.00	lbs/ft
Plain End Weight	31.13		lbs/ft
SECTION AREA			
Cross Sectional Area Critical Area	9.149	9.149	sq. in.
Joint Efficiency		100%	% [2]
PERFORMANCE			
Minimum Collapse Pressure	4,530	4,530	psi
Minimum Internal Yield Pressure	8,930	8,930	psi
Minimum Pipe Body Yield Strength	1,144,000		lbs
Joint Strength		1,144,000	lbs
Compression Rating		1,144,000	lbs
Reference Length		23,833	ft [5]
Maximum Uniaxial Bend Rating		66.4	deg/100 ft [3]
MAKE-UP DATA			
Minimum Make-Up Torque		20,200	ft-lbs [4]
Maximum Make-Up Torque		26,000	ft-lbs [4]
Maximum Operating Torque		119,000	ft-lbs [4]
Make-Up Loss		5.58	in.

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- Notes:
- 1) Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
 - 2) Compressive & Tensile Connection Efficiencies are calculated by dividing the connection critical area by the pipe body area.
 - 3) Uniaxial bending rating shown is structural only, and equal to compression efficiency.
 - 4) Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
 - 5) Reference length is calculated by joint strength divided by Nominal Linear Weight,T&C with 1.5 safety factor.
 - 6) Coupling must meet minimum mechanical properties of the pipe.

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Manual USS Product Data Sheet 2019 Rev29

3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

- a. Full internal Evacuation: Collapse force is equal to mud gradient (0.433 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.718 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8727 in water (8.33 ppg).

Intermediate Casing

Collapse: $DF_C = 1.125$

- a. Full Internal Evacuation: Collapse force is equal to mud gradient (0.531 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.626 psi/ft) in which the casing will be run and internal force equivalent to the displacement of fluid gradient.

Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but to exceed 70% of the minimum internal yield.
- b. Gas Kick: Internal burst load of a 50 bbl gas kick at the casing with drill pipe in the hole. External force will be 10.2 ppg brine water gradient (0.531 psi/ft) and internal force will be with 10.0 ppg brine water gradient (0.521 psi/ft) with gas kick.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8441 in brine water (10.2 ppg).

Production Casing

Collapse: $DF_C = 1.125$

- a. Full Internal Evacuation: Collapse force is equal to mud gradient (0.531 psi/ft) in which the casing will be run and internal evacuation of casing.
- b. Cementing: Collapse force is equal net force of the planned cement slurry gradient (0.688 psi/ft) in which the casing will be run and internal force equivalent to fresh water displacement gradient (0.433 psi/ft).

Burst: $DF_B = 1.125$

- a. Pressure Test: Pressure test will be to 80% of Internal Yield Pressure of casing intended for fracture stimulation.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8472 in oil-based mud (10.0 ppg).

 U. S. Steel Tubular Products
13.375" 54.50lb/ft (0.380" Wall) J55

11/1/2023 1:00:21 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	13.375	14.375	0.000	14.375	in.	--
Wall Thickness	0.380	--	--	--	in.	--
Inside Diameter	12.615	12.615	--	12.615	in.	--
Standard Drift	12.459	12.459	12.459	12.459	in.	--
Alternate Drift	--	12.500	--	--	in.	--
Nominal Linear Weight, T&C	54.50	--	--	--	lb/ft	--
Plain End Weight	52.79	--	--	--	lb/ft	--
PERFORMANCE	Pipe	BTC	LTC	STC		--
Minimum Collapse Pressure	1,130	1,130	1,130	1,130	psi	--
Minimum Internal Yield Pressure	2,740	2,740	2,740	2,740	psi	--
Minimum Pipe Body Yield Strength	853	--	--	--	1,000 lbs	--
Joint Strength	--	909	--	514	1,000 lbs	--
Reference Length	--	11,119	--	6,290	ft	--
MAKE-UP DATA	Pipe	BTC	LTC	STC		--
Make-Up Loss	--	4.81	--	3.50	in.	--
Minimum Make-Up Torque	--	--	--	3,860	ft-lb	--
Maximum Make-Up Torque	--	--	--	6,430	ft-lb	--

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Notes

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

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

3-string Casing Design Assumptions

Surface Casing

Collapse: $DF_C = 1.125$

- a. Full internal Evacuation: Collapse force is equal to mud gradient (0.433 psi/ft) in which the casing will be run and internal evacuation of casing.
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Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8727 in water (8.33 ppg).

Intermediate Casing

Collapse: $DF_C = 1.125$

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Burst: $DF_B = 1.125$

- a. Casing Pressure Test: According to BLM Onshore Order No. 2 with 0.22 psi/ft or 1500 psi, whichever is greater but to exceed 70% of the minimum internal yield.
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- a. Pressure Test: Pressure test will be to 80% of Internal Yield Pressure of casing intended for fracture stimulation.

Tensile: $DF_T = 1.60$

- a. Overpull: A tensile force of 100,000 lbs over string weight with a buoyancy factor of 0.8472 in oil-based mud (10.0 ppg).



E. G. L. Resources, Inc.

H₂S Drilling Operations Plan

- a. All personnel will be trained in H₂S working conditions as required by Onshore Order 6 before drilling out of the surface casing.
- b. Two briefing areas will be established. Each will be at least 150' from the wellhead, perpendicular from one another, and easily entered and exited. See H₂S page 5 for more details.
- c. A remote-controlled choke, mud-gas separator, and a rotating head will be installed before drilling or testing any formation expected to contain H₂S.
- d. H₂S Safety Equipment/Systems:
 - i. Well Control Equipment
 - Flare line will be $\geq 150'$ from the wellhead and ignited by a pilot light.
 - Beware of SO₂ created by flaring.
 - Choke manifold will include a remotely operated choke.
 - Mud gas separator
 - ii. Protective Equipment for Essential Personnel
 - Every person on site will be required to wear a personal H₂S and SO₂ monitor at all times while on site. Monitors will not be worn on hard hats. Monitors will be worn on the front of the chest.
 - One self-contained breathing apparatus (SCBA) 30-minute rescue pack will be at each briefing area. Two 30-minute SCBA packs will be stored in the safety trailer.
 - Four work/escape packs will be on the rig floor. Each pack will have a long enough hose to allow unimpaired work activity.
 - Four emergency escape packs will be in the doghouse for emergency evacuation.
 - Hand signals will be used when wearing protective breathing apparatus.
 - Stokes litter or stretcher
 - Two full OSHA compliant body harnesses
 - A 100-foot long x 5/8 inch OSHA compliant rope
 - One 20-pound ABC fire extinguisher

iii. H₂S Detection & Monitoring Equipment

- Every person on site will be required to wear a personal H₂S and SO₂ monitor at all times while on site. Monitors will not be worn on hard hats. Monitors will be worn on the front of the chest.
- A stationary detector with three sensors will be in the doghouse.
- Sensors will be installed on the rig floor, bell nipple, and at the end of the flow line or where drilling fluids are discharged.
- Visual alarm will be triggered at 10 ppm.
- Audible alarm will be triggered at 10 ppm.
- Calibration will occur at least every 30 days. Gas sample tubes will be kept in the safety trailer.

iv. Visual Warning System

- Color-coded H₂S condition sign will be set at the entrance to the pad.
- Color-coded condition flag will be installed to indicate current H₂S conditions.
- Two wind socks will be installed that will be visible from all sides.

v. Mud Program

- A water based mud with a pH of ≥ 10 will be maintained to control corrosion, H₂S gas returns to the surface, and minimize sulfide stress cracking and embrittlement.
- Drilling mud containing H₂S gas will be degassed at an optimum location for the rig configuration.
- This gas will be piped into the flare system.
- Enough mud additives will be on location to scavenge and/or neutralize H₂S where formation pressures are unknown.

vi. Metallurgy

- All equipment that has the potential to be exposed to H₂S will be suitable for H₂S service.
- Equipment that will meet these metallurgical standards include the drill string, casing, wellhead, BOP assembly, casing head and spool, rotating head, kill lines, choke, choke manifold and lines, valves, mud-gas separators, DST tools, test units, tubing, flanges, and other related equipment (elastomer packings and seals).

vii. Communication from well site

- Cell phones and/or two-way radios will be used to communicate from the well site.

Hydrogen Sulfide Drilling Operations Plan
EGL Resources, Inc
Section 15, T19S, R33E
Lea County, NM

Coordination with Authorities

It is EGL’s responsibility to work with the proper agencies to properly respond to a major release. Every response by EGL must be in coordination with the State of New Mexico’s “Hazardous Materials Emergency Response Plan” (HMER). In case of release, the OCD must be notified no later than four hours after start of release. When reporting a release, EGL must possess necessary information about the release such as: directions to wellsite, wind direction, volume, and location of release, etc. See below for contact information of company, local, state, and national officials and agencies.

EGL Resources, Inc

Office.....432-687-6560

Hobbs Agencies

Ambulance.....911
City Police.....575-397-9265
Fire Department.....575-397-9308
State Police.....575-885-3138
Emergency Planning.....575-391-2983
New Mexico OCD.....575-393-6161 (**EMERGENCY: 575-370-3186**)
Bureau of Land Management.....575-393-3612



E.G.L. Resources, Inc.

Lea, County NM (NAD 83)

Millie Mile Pad

Millie Mile 13-24 Fed Com 603H

Wellbore #1

Plan: Plan 3

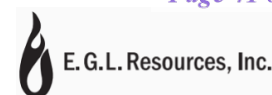
Standard Planning Report

23 April, 2024





Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Project	Lea, 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	Millie Mile Pad				
Site Position:		Northing:	607,084.97 usft	Latitude:	32.66691567
From:	Map	Easting:	759,718.58 usft	Longitude:	-103.62367395
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Millie Mile 13-24 Fed Com 603H					
Well Position	+N/-S	0.00 usft	Northing:	607,084.97 usft	Latitude:	32.66691567
	+E/-W	0.00 usft	Easting:	759,718.58 usft	Longitude:	-103.62367395
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,708.57 usft
Grid Convergence:		0.38 °				

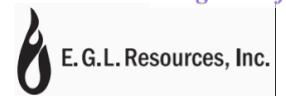
Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM 2023	12/14/2023	6.49	60.47	47,546.00000000

Design	Plan 3				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Plan Survey Tool Program	Date	4/23/2024			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	22,584.05	Plan 3 (Wellbore #1)	MWD+IFR1+MS	
				OWSG MWD + IFR1 + Multi-St	



Planning Report

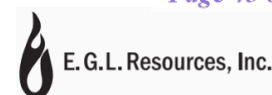


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
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Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,750.00	5.00	150.00	1,749.68	-9.44	5.45	2.00	2.00	0.00	150.00	
2,726.07	19.63	68.23	2,704.80	14.74	180.65	2.00	1.50	-8.38	-95.87	
7,591.73	19.63	68.23	7,287.81	620.75	1,698.36	0.00	0.00	0.00	0.00	
8,573.00	0.00	0.01	8,250.00	682.46	1,852.91	2.00	-2.00	0.00	180.00	MM 603H VP
11,230.04	0.00	0.01	10,907.04	682.46	1,852.91	0.00	0.00	0.00	0.01	
12,130.04	90.00	179.75	11,480.00	109.51	1,855.42	10.00	10.00	19.97	179.75	
22,584.05	90.00	179.75	11,480.00	-10,344.41	1,901.22	0.00	0.00	0.00	0.00	MM 603H PBHL(10' F



Planning Report

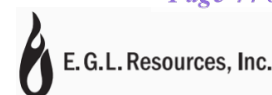


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Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
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Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,600.00	2.00	150.00	1,599.98	-1.51	0.87	1.51	2.00	2.00	0.00
1,700.00	4.00	150.00	1,699.84	-6.04	3.49	6.04	2.00	2.00	0.00
1,750.00	5.00	150.00	1,749.68	-9.44	5.45	9.44	2.00	2.00	0.00
Start DLS 2.00 TFO -95.87									
1,800.00	5.00	138.50	1,799.49	-12.96	7.98	12.96	2.00	-0.01	-22.99
1,900.00	5.56	117.49	1,899.08	-18.46	15.17	18.46	2.00	0.56	-21.01
2,000.00	6.70	101.96	1,998.51	-21.90	25.17	21.90	2.00	1.14	-15.54
2,100.00	8.17	91.43	2,097.67	-23.29	37.97	23.29	2.00	1.47	-10.53
2,200.00	9.83	84.26	2,196.44	-22.61	53.57	22.61	2.00	1.66	-7.17
2,300.00	11.60	79.20	2,294.70	-19.88	71.93	19.88	2.00	1.77	-5.06
2,400.00	13.43	75.49	2,392.32	-15.08	93.05	15.08	2.00	1.83	-3.72
2,500.00	15.30	72.66	2,489.19	-8.24	116.88	8.24	2.00	1.87	-2.83
2,600.00	17.20	70.43	2,585.19	0.64	143.41	-0.64	2.00	1.90	-2.22
2,700.00	19.12	68.64	2,680.21	11.56	172.60	-11.56	2.00	1.92	-1.79
2,726.07	19.63	68.23	2,704.80	14.74	180.65	-14.74	2.00	1.93	-1.58
Start 4865.65 hold at 2726.07 MD									
2,800.00	19.63	68.23	2,774.44	23.95	203.71	-23.95	0.00	0.00	0.00
2,900.00	19.63	68.23	2,868.63	36.40	234.90	-36.40	0.00	0.00	0.00
3,000.00	19.63	68.23	2,962.82	48.86	266.09	-48.86	0.00	0.00	0.00
3,100.00	19.63	68.23	3,057.01	61.31	297.28	-61.31	0.00	0.00	0.00
3,200.00	19.63	68.23	3,151.20	73.77	328.48	-73.77	0.00	0.00	0.00
3,300.00	19.63	68.23	3,245.39	86.22	359.67	-86.22	0.00	0.00	0.00
3,400.00	19.63	68.23	3,339.58	98.68	390.86	-98.68	0.00	0.00	0.00
3,500.00	19.63	68.23	3,433.77	111.13	422.05	-111.13	0.00	0.00	0.00
3,600.00	19.63	68.23	3,527.96	123.59	453.24	-123.59	0.00	0.00	0.00
3,700.00	19.63	68.23	3,622.16	136.04	484.44	-136.04	0.00	0.00	0.00
3,800.00	19.63	68.23	3,716.35	148.50	515.63	-148.50	0.00	0.00	0.00
3,900.00	19.63	68.23	3,810.54	160.95	546.82	-160.95	0.00	0.00	0.00
4,000.00	19.63	68.23	3,904.73	173.41	578.01	-173.41	0.00	0.00	0.00
4,100.00	19.63	68.23	3,998.92	185.86	609.21	-185.86	0.00	0.00	0.00
4,200.00	19.63	68.23	4,093.11	198.32	640.40	-198.32	0.00	0.00	0.00
4,300.00	19.63	68.23	4,187.30	210.77	671.59	-210.77	0.00	0.00	0.00
4,400.00	19.63	68.23	4,281.49	223.23	702.78	-223.23	0.00	0.00	0.00
4,500.00	19.63	68.23	4,375.68	235.68	733.98	-235.68	0.00	0.00	0.00
4,600.00	19.63	68.23	4,469.87	248.13	765.17	-248.13	0.00	0.00	0.00
4,700.00	19.63	68.23	4,564.06	260.59	796.36	-260.59	0.00	0.00	0.00



Planning Report

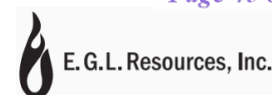


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	19.63	68.23	4,658.26	273.04	827.55	-273.04	0.00	0.00	0.00
4,900.00	19.63	68.23	4,752.45	285.50	858.74	-285.50	0.00	0.00	0.00
5,000.00	19.63	68.23	4,846.64	297.95	889.94	-297.95	0.00	0.00	0.00
5,100.00	19.63	68.23	4,940.83	310.41	921.13	-310.41	0.00	0.00	0.00
5,200.00	19.63	68.23	5,035.02	322.86	952.32	-322.86	0.00	0.00	0.00
5,300.00	19.63	68.23	5,129.21	335.32	983.51	-335.32	0.00	0.00	0.00
5,400.00	19.63	68.23	5,223.40	347.77	1,014.71	-347.77	0.00	0.00	0.00
5,500.00	19.63	68.23	5,317.59	360.23	1,045.90	-360.23	0.00	0.00	0.00
5,600.00	19.63	68.23	5,411.78	372.68	1,077.09	-372.68	0.00	0.00	0.00
5,700.00	19.63	68.23	5,505.97	385.14	1,108.28	-385.14	0.00	0.00	0.00
5,800.00	19.63	68.23	5,600.16	397.59	1,139.48	-397.59	0.00	0.00	0.00
5,900.00	19.63	68.23	5,694.35	410.05	1,170.67	-410.05	0.00	0.00	0.00
6,000.00	19.63	68.23	5,788.55	422.50	1,201.86	-422.50	0.00	0.00	0.00
6,100.00	19.63	68.23	5,882.74	434.96	1,233.05	-434.96	0.00	0.00	0.00
6,200.00	19.63	68.23	5,976.93	447.41	1,264.24	-447.41	0.00	0.00	0.00
6,300.00	19.63	68.23	6,071.12	459.87	1,295.44	-459.87	0.00	0.00	0.00
6,400.00	19.63	68.23	6,165.31	472.32	1,326.63	-472.32	0.00	0.00	0.00
6,500.00	19.63	68.23	6,259.50	484.78	1,357.82	-484.78	0.00	0.00	0.00
6,600.00	19.63	68.23	6,353.69	497.23	1,389.01	-497.23	0.00	0.00	0.00
6,700.00	19.63	68.23	6,447.88	509.69	1,420.21	-509.69	0.00	0.00	0.00
6,800.00	19.63	68.23	6,542.07	522.14	1,451.40	-522.14	0.00	0.00	0.00
6,900.00	19.63	68.23	6,636.26	534.59	1,482.59	-534.59	0.00	0.00	0.00
7,000.00	19.63	68.23	6,730.45	547.05	1,513.78	-547.05	0.00	0.00	0.00
7,100.00	19.63	68.23	6,824.65	559.50	1,544.98	-559.50	0.00	0.00	0.00
7,200.00	19.63	68.23	6,918.84	571.96	1,576.17	-571.96	0.00	0.00	0.00
7,300.00	19.63	68.23	7,013.03	584.41	1,607.36	-584.41	0.00	0.00	0.00
7,400.00	19.63	68.23	7,107.22	596.87	1,638.55	-596.87	0.00	0.00	0.00
7,500.00	19.63	68.23	7,201.41	609.32	1,669.74	-609.32	0.00	0.00	0.00
7,591.73	19.63	68.23	7,287.81	620.75	1,698.36	-620.75	0.00	0.00	0.00
Start Drop -2.00									
7,600.00	19.46	68.23	7,295.60	621.77	1,700.93	-621.77	2.00	-2.00	0.00
7,700.00	17.46	68.23	7,390.45	633.52	1,730.33	-633.52	2.00	-2.00	0.00
7,800.00	15.46	68.23	7,486.35	644.02	1,756.64	-644.02	2.00	-2.00	0.00
7,900.00	13.46	68.23	7,583.18	653.28	1,779.83	-653.28	2.00	-2.00	0.00
8,000.00	11.46	68.23	7,680.82	661.28	1,799.87	-661.28	2.00	-2.00	0.00
8,100.00	9.46	68.23	7,779.15	668.01	1,816.73	-668.01	2.00	-2.00	0.00
8,200.00	7.46	68.23	7,878.06	673.47	1,830.39	-673.47	2.00	-2.00	0.00
8,300.00	5.46	68.23	7,977.42	677.64	1,840.84	-677.64	2.00	-2.00	0.00
8,400.00	3.46	68.23	8,077.11	680.52	1,848.06	-680.52	2.00	-2.00	0.00
8,500.00	1.46	68.23	8,177.01	682.12	1,852.05	-682.12	2.00	-2.00	0.00
8,573.00	0.00	0.01	8,250.00	682.46	1,852.91	-682.46	2.00	-2.00	0.00
Start 2657.04 hold at 8573.00 MD									
8,600.00	0.00	0.00	8,277.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
8,700.00	0.00	0.00	8,377.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
8,800.00	0.00	0.00	8,477.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
8,900.00	0.00	0.00	8,577.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,000.00	0.00	0.00	8,677.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,100.00	0.00	0.00	8,777.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,200.00	0.00	0.00	8,877.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,300.00	0.00	0.00	8,977.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,400.00	0.00	0.00	9,077.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,500.00	0.00	0.00	9,177.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,600.00	0.00	0.00	9,277.00	682.46	1,852.91	-682.46	0.00	0.00	0.00
9,700.00	0.00	0.00	9,377.00	682.46	1,852.91	-682.46	0.00	0.00	0.00



Planning Report

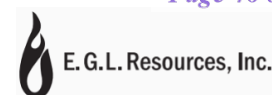


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,800.00	0.00	0.00	9,477.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,577.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,000.00	0.00	0.00	9,677.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,100.00	0.00	0.00	9,777.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,200.00	0.00	0.00	9,877.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,300.00	0.00	0.00	9,977.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,400.00	0.00	0.00	10,077.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,500.00	0.00	0.00	10,177.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,600.00	0.00	0.00	10,277.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,700.00	0.00	0.00	10,377.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,800.00	0.00	0.00	10,477.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
10,900.00	0.00	0.00	10,577.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
11,000.00	0.00	0.00	10,677.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
11,100.00	0.00	0.00	10,777.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
11,200.00	0.00	0.00	10,877.00	682.46	1,852.91	-682.46	0.00	0.00	0.00	
11,230.04	0.00	0.00	10,907.04	682.46	1,852.91	-682.46	0.00	0.00	0.00	
Start DLS 10.00 TFO 179.75										
11,250.00	2.00	179.75	10,927.00	682.11	1,852.91	-682.11	10.00	10.00	0.00	
11,300.00	7.00	179.75	10,976.83	678.19	1,852.93	-678.19	10.00	10.00	0.00	
11,350.00	12.00	179.75	11,026.13	669.95	1,852.96	-669.95	10.00	10.00	0.00	
11,400.00	17.00	179.75	11,074.52	657.44	1,853.02	-657.44	10.00	10.00	0.00	
11,450.00	22.00	179.75	11,121.64	640.75	1,853.09	-640.75	10.00	10.00	0.00	
11,500.00	27.00	179.75	11,167.13	620.03	1,853.18	-620.03	10.00	10.00	0.00	
11,550.00	32.00	179.75	11,210.63	595.42	1,853.29	-595.42	10.00	10.00	0.00	
11,600.00	37.00	179.75	11,251.83	567.11	1,853.42	-567.11	10.00	10.00	0.00	
11,650.00	42.00	179.75	11,290.40	535.32	1,853.55	-535.32	10.00	10.00	0.00	
11,700.00	47.00	179.75	11,326.05	500.29	1,853.71	-500.29	10.00	10.00	0.00	
11,750.00	52.00	179.75	11,358.52	462.28	1,853.87	-462.28	10.00	10.00	0.00	
11,800.00	57.00	179.75	11,387.54	421.59	1,854.05	-421.59	10.00	10.00	0.00	
11,850.00	62.00	179.75	11,412.92	378.52	1,854.24	-378.52	10.00	10.00	0.00	
11,900.00	67.00	179.75	11,434.44	333.41	1,854.44	-333.41	10.00	10.00	0.00	
11,950.00	72.00	179.75	11,451.94	286.59	1,854.64	-286.59	10.00	10.00	0.00	
12,000.00	77.00	179.75	11,465.31	238.43	1,854.86	-238.43	10.00	10.00	0.00	
12,050.00	82.00	179.75	11,474.42	189.28	1,855.07	-189.28	10.00	10.00	0.00	
12,100.00	87.00	179.75	11,479.21	139.53	1,855.29	-139.53	10.00	10.00	0.00	
12,130.04	90.00	179.75	11,480.00	109.51	1,855.42	-109.51	10.00	10.00	0.00	
Start 10454.01 hold at 12130.04 MD										
12,200.00	90.00	179.75	11,480.00	39.54	1,855.73	-39.54	0.00	0.00	0.00	
12,300.00	90.00	179.75	11,480.00	-60.45	1,856.16	60.45	0.00	0.00	0.00	
12,400.00	90.00	179.75	11,480.00	-160.45	1,856.60	160.45	0.00	0.00	0.00	
12,500.00	90.00	179.75	11,480.00	-260.45	1,857.04	260.45	0.00	0.00	0.00	
12,600.00	90.00	179.75	11,480.00	-360.45	1,857.48	360.45	0.00	0.00	0.00	
12,700.00	90.00	179.75	11,480.00	-460.45	1,857.92	460.45	0.00	0.00	0.00	
12,800.00	90.00	179.75	11,480.00	-560.45	1,858.36	560.45	0.00	0.00	0.00	
12,900.00	90.00	179.75	11,480.00	-660.45	1,858.79	660.45	0.00	0.00	0.00	
13,000.00	90.00	179.75	11,480.00	-760.45	1,859.23	760.45	0.00	0.00	0.00	
13,100.00	90.00	179.75	11,480.00	-860.45	1,859.67	860.45	0.00	0.00	0.00	
13,200.00	90.00	179.75	11,480.00	-960.45	1,860.11	960.45	0.00	0.00	0.00	
13,300.00	90.00	179.75	11,480.00	-1,060.45	1,860.55	1,060.45	0.00	0.00	0.00	
13,400.00	90.00	179.75	11,480.00	-1,160.44	1,860.98	1,160.44	0.00	0.00	0.00	
13,500.00	90.00	179.75	11,480.00	-1,260.44	1,861.42	1,260.44	0.00	0.00	0.00	
13,600.00	90.00	179.75	11,480.00	-1,360.44	1,861.86	1,360.44	0.00	0.00	0.00	
13,700.00	90.00	179.75	11,480.00	-1,460.44	1,862.30	1,460.44	0.00	0.00	0.00	
13,800.00	90.00	179.75	11,480.00	-1,560.44	1,862.74	1,560.44	0.00	0.00	0.00	



Planning Report

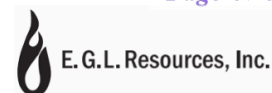


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,900.00	90.00	179.75	11,480.00	-1,660.44	1,863.17	1,660.44	0.00	0.00	0.00	
14,000.00	90.00	179.75	11,480.00	-1,760.44	1,863.61	1,760.44	0.00	0.00	0.00	
14,100.00	90.00	179.75	11,480.00	-1,860.44	1,864.05	1,860.44	0.00	0.00	0.00	
14,200.00	90.00	179.75	11,480.00	-1,960.44	1,864.49	1,960.44	0.00	0.00	0.00	
14,300.00	90.00	179.75	11,480.00	-2,060.44	1,864.93	2,060.44	0.00	0.00	0.00	
14,400.00	90.00	179.75	11,480.00	-2,160.43	1,865.37	2,160.43	0.00	0.00	0.00	
14,500.00	90.00	179.75	11,480.00	-2,260.43	1,865.80	2,260.43	0.00	0.00	0.00	
14,600.00	90.00	179.75	11,480.00	-2,360.43	1,866.24	2,360.43	0.00	0.00	0.00	
14,700.00	90.00	179.75	11,480.00	-2,460.43	1,866.68	2,460.43	0.00	0.00	0.00	
14,800.00	90.00	179.75	11,480.00	-2,560.43	1,867.12	2,560.43	0.00	0.00	0.00	
14,900.00	90.00	179.75	11,480.00	-2,660.43	1,867.56	2,660.43	0.00	0.00	0.00	
15,000.00	90.00	179.75	11,480.00	-2,760.43	1,867.99	2,760.43	0.00	0.00	0.00	
15,100.00	90.00	179.75	11,480.00	-2,860.43	1,868.43	2,860.43	0.00	0.00	0.00	
15,200.00	90.00	179.75	11,480.00	-2,960.43	1,868.87	2,960.43	0.00	0.00	0.00	
15,300.00	90.00	179.75	11,480.00	-3,060.43	1,869.31	3,060.43	0.00	0.00	0.00	
15,400.00	90.00	179.75	11,480.00	-3,160.43	1,869.75	3,160.43	0.00	0.00	0.00	
15,500.00	90.00	179.75	11,480.00	-3,260.42	1,870.18	3,260.42	0.00	0.00	0.00	
15,600.00	90.00	179.75	11,480.00	-3,360.42	1,870.62	3,360.42	0.00	0.00	0.00	
15,700.00	90.00	179.75	11,480.00	-3,460.42	1,871.06	3,460.42	0.00	0.00	0.00	
15,800.00	90.00	179.75	11,480.00	-3,560.42	1,871.50	3,560.42	0.00	0.00	0.00	
15,900.00	90.00	179.75	11,480.00	-3,660.42	1,871.94	3,660.42	0.00	0.00	0.00	
16,000.00	90.00	179.75	11,480.00	-3,760.42	1,872.38	3,760.42	0.00	0.00	0.00	
16,100.00	90.00	179.75	11,480.00	-3,860.42	1,872.81	3,860.42	0.00	0.00	0.00	
16,200.00	90.00	179.75	11,480.00	-3,960.42	1,873.25	3,960.42	0.00	0.00	0.00	
16,300.00	90.00	179.75	11,480.00	-4,060.42	1,873.69	4,060.42	0.00	0.00	0.00	
16,400.00	90.00	179.75	11,480.00	-4,160.42	1,874.13	4,160.42	0.00	0.00	0.00	
16,500.00	90.00	179.75	11,480.00	-4,260.41	1,874.57	4,260.41	0.00	0.00	0.00	
16,600.00	90.00	179.75	11,480.00	-4,360.41	1,875.00	4,360.41	0.00	0.00	0.00	
16,700.00	90.00	179.75	11,480.00	-4,460.41	1,875.44	4,460.41	0.00	0.00	0.00	
16,800.00	90.00	179.75	11,480.00	-4,560.41	1,875.88	4,560.41	0.00	0.00	0.00	
16,900.00	90.00	179.75	11,480.00	-4,660.41	1,876.32	4,660.41	0.00	0.00	0.00	
17,000.00	90.00	179.75	11,480.00	-4,760.41	1,876.76	4,760.41	0.00	0.00	0.00	
17,100.00	90.00	179.75	11,480.00	-4,860.41	1,877.19	4,860.41	0.00	0.00	0.00	
17,200.00	90.00	179.75	11,480.00	-4,960.41	1,877.63	4,960.41	0.00	0.00	0.00	
17,300.00	90.00	179.75	11,480.00	-5,060.41	1,878.07	5,060.41	0.00	0.00	0.00	
17,400.00	90.00	179.75	11,480.00	-5,160.41	1,878.51	5,160.41	0.00	0.00	0.00	
17,500.00	90.00	179.75	11,480.00	-5,260.41	1,878.95	5,260.41	0.00	0.00	0.00	
17,600.00	90.00	179.75	11,480.00	-5,360.40	1,879.39	5,360.40	0.00	0.00	0.00	
17,700.00	90.00	179.75	11,480.00	-5,460.40	1,879.82	5,460.40	0.00	0.00	0.00	
17,800.00	90.00	179.75	11,480.00	-5,560.40	1,880.26	5,560.40	0.00	0.00	0.00	
17,900.00	90.00	179.75	11,480.00	-5,660.40	1,880.70	5,660.40	0.00	0.00	0.00	
18,000.00	90.00	179.75	11,480.00	-5,760.40	1,881.14	5,760.40	0.00	0.00	0.00	
18,100.00	90.00	179.75	11,480.00	-5,860.40	1,881.58	5,860.40	0.00	0.00	0.00	
18,200.00	90.00	179.75	11,480.00	-5,960.40	1,882.01	5,960.40	0.00	0.00	0.00	
18,300.00	90.00	179.75	11,480.00	-6,060.40	1,882.45	6,060.40	0.00	0.00	0.00	
18,400.00	90.00	179.75	11,480.00	-6,160.40	1,882.89	6,160.40	0.00	0.00	0.00	
18,500.00	90.00	179.75	11,480.00	-6,260.40	1,883.33	6,260.40	0.00	0.00	0.00	
18,600.00	90.00	179.75	11,480.00	-6,360.39	1,883.77	6,360.39	0.00	0.00	0.00	
18,700.00	90.00	179.75	11,480.00	-6,460.39	1,884.20	6,460.39	0.00	0.00	0.00	
18,800.00	90.00	179.75	11,480.00	-6,560.39	1,884.64	6,560.39	0.00	0.00	0.00	
18,900.00	90.00	179.75	11,480.00	-6,660.39	1,885.08	6,660.39	0.00	0.00	0.00	
19,000.00	90.00	179.75	11,480.00	-6,760.39	1,885.52	6,760.39	0.00	0.00	0.00	
19,100.00	90.00	179.75	11,480.00	-6,860.39	1,885.96	6,860.39	0.00	0.00	0.00	
19,200.00	90.00	179.75	11,480.00	-6,960.39	1,886.40	6,960.39	0.00	0.00	0.00	



Planning Report

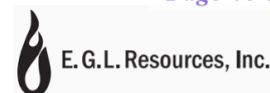


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,300.00	90.00	179.75	11,480.00	-7,060.39	1,886.83	7,060.39	0.00	0.00	0.00	
19,400.00	90.00	179.75	11,480.00	-7,160.39	1,887.27	7,160.39	0.00	0.00	0.00	
19,500.00	90.00	179.75	11,480.00	-7,260.39	1,887.71	7,260.39	0.00	0.00	0.00	
19,600.00	90.00	179.75	11,480.00	-7,360.38	1,888.15	7,360.38	0.00	0.00	0.00	
19,700.00	90.00	179.75	11,480.00	-7,460.38	1,888.59	7,460.38	0.00	0.00	0.00	
19,800.00	90.00	179.75	11,480.00	-7,560.38	1,889.02	7,560.38	0.00	0.00	0.00	
19,900.00	90.00	179.75	11,480.00	-7,660.38	1,889.46	7,660.38	0.00	0.00	0.00	
20,000.00	90.00	179.75	11,480.00	-7,760.38	1,889.90	7,760.38	0.00	0.00	0.00	
20,100.00	90.00	179.75	11,480.00	-7,860.38	1,890.34	7,860.38	0.00	0.00	0.00	
20,200.00	90.00	179.75	11,480.00	-7,960.38	1,890.78	7,960.38	0.00	0.00	0.00	
20,300.00	90.00	179.75	11,480.00	-8,060.38	1,891.21	8,060.38	0.00	0.00	0.00	
20,400.00	90.00	179.75	11,480.00	-8,160.38	1,891.65	8,160.38	0.00	0.00	0.00	
20,500.00	90.00	179.75	11,480.00	-8,260.38	1,892.09	8,260.38	0.00	0.00	0.00	
20,600.00	90.00	179.75	11,480.00	-8,360.38	1,892.53	8,360.38	0.00	0.00	0.00	
20,700.00	90.00	179.75	11,480.00	-8,460.37	1,892.97	8,460.37	0.00	0.00	0.00	
20,800.00	90.00	179.75	11,480.00	-8,560.37	1,893.41	8,560.37	0.00	0.00	0.00	
20,900.00	90.00	179.75	11,480.00	-8,660.37	1,893.84	8,660.37	0.00	0.00	0.00	
21,000.00	90.00	179.75	11,480.00	-8,760.37	1,894.28	8,760.37	0.00	0.00	0.00	
21,100.00	90.00	179.75	11,480.00	-8,860.37	1,894.72	8,860.37	0.00	0.00	0.00	
21,200.00	90.00	179.75	11,480.00	-8,960.37	1,895.16	8,960.37	0.00	0.00	0.00	
21,300.00	90.00	179.75	11,480.00	-9,060.37	1,895.60	9,060.37	0.00	0.00	0.00	
21,400.00	90.00	179.75	11,480.00	-9,160.37	1,896.03	9,160.37	0.00	0.00	0.00	
21,500.00	90.00	179.75	11,480.00	-9,260.37	1,896.47	9,260.37	0.00	0.00	0.00	
21,600.00	90.00	179.75	11,480.00	-9,360.37	1,896.91	9,360.37	0.00	0.00	0.00	
21,700.00	90.00	179.75	11,480.00	-9,460.36	1,897.35	9,460.36	0.00	0.00	0.00	
21,800.00	90.00	179.75	11,480.00	-9,560.36	1,897.79	9,560.36	0.00	0.00	0.00	
21,900.00	90.00	179.75	11,480.00	-9,660.36	1,898.22	9,660.36	0.00	0.00	0.00	
22,000.00	90.00	179.75	11,480.00	-9,760.36	1,898.66	9,760.36	0.00	0.00	0.00	
22,100.00	90.00	179.75	11,480.00	-9,860.36	1,899.10	9,860.36	0.00	0.00	0.00	
22,200.00	90.00	179.75	11,480.00	-9,960.36	1,899.54	9,960.36	0.00	0.00	0.00	
22,300.00	90.00	179.75	11,480.00	-10,060.36	1,899.98	10,060.36	0.00	0.00	0.00	
22,400.00	90.00	179.75	11,480.00	-10,160.36	1,900.42	10,160.36	0.00	0.00	0.00	
22,500.00	90.00	179.75	11,480.00	-10,260.36	1,900.85	10,260.36	0.00	0.00	0.00	
22,584.05	90.00	179.75	11,480.00	-10,344.41	1,901.22	10,344.41	0.00	0.00	0.00	
TD at 22584.05										



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan 3		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
MM 603H SHL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	607,084.97	759,718.58	32.66691567	-103.62367395
MM 603H VP - plan hits target center - Point	0.00	0.01	8,250.00	682.46	1,852.91	607,767.43	761,571.49	32.66875722	-103.61763812
MM 603H KOP - plan hits target center - Point	0.00	0.01	10,907.04	682.46	1,852.91	607,767.43	761,571.49	32.66875722	-103.61763812
MM 603H LTP(100' FSL - plan misses target center by 0.05usft at 22494.05usft MD (11480.00 TVD, -10254.41 N, 1900.83 E) - Point	0.00	0.00	11,480.00	-10,254.41	1,900.78	596,830.57	761,619.36	32.63869631	-103.61772208
MM 603H PPP2(0' FNL - plan misses target center by 2.85usft at 17312.45usft MD (11480.00 TVD, -5072.86 N, 1878.13 E) - Point	0.00	0.00	11,480.00	-5,072.87	1,875.28	602,012.10	761,593.86	32.65293827	-103.61769150
MM 603H PBHL(10' FSL - plan hits target center - Point	0.00	0.01	11,480.00	-10,344.41	1,901.22	596,740.57	761,619.80	32.63844894	-103.61772261
MM 603H FTP/PPP1(10 - plan hits target center - Point	0.00	0.00	11,480.00	109.51	1,855.42	607,194.48	761,573.99	32.66718242	-103.61764253

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
22,472.67	11,480.00	20" Casing		20	24

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,500.00	1,500.00	0.00	0.00	Start Build 2.00	
1,750.00	1,749.68	-9.44	5.45	Start DLS 2.00 TFO -95.87	
2,726.07	2,704.80	14.74	180.65	Start 4865.65 hold at 2726.07 MD	
7,591.73	7,287.81	620.75	1,698.36	Start Drop -2.00	
8,573.00	8,250.00	682.46	1,852.91	Start 2657.04 hold at 8573.00 MD	
11,230.04	10,907.04	682.46	1,852.91	Start DLS 10.00 TFO 179.75	
12,130.04	11,480.00	109.51	1,855.42	Start 10454.01 hold at 12130.04 MD	
22,584.05	11,480.00	-10,344.41	1,901.22	TD at 22584.05	



E.G.L. Resources, Inc.

Lea, County NM (NAD 83)

Millie Mile Pad

Millie Mile 13-24 Fed Com 603H

Wellbore #1

Plan 3

Anticollision Report

23 April, 2024



E. G. L. Resources, Inc.



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

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

Survey Tool Program	Date	4/23/2024
From (usft)	To (usft)	Survey (Wellbore)
0.00	22,584.05	Plan 3 (Wellbore #1)
		Tool Name
		MWD+IFR1+MS
		Description
		OWSG MWD + IFR1 + Multi-Station Correction

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						
Millie Mile Pad						
BUFFALO 12-1 FED COM 2BS 1H - Wellbore #1 - Wellbo	5,071.11	4,925.42	58.17	35.49	2.565	CC, ES
BUFFALO 12-1 FED COM 2BS 1H - Wellbore #1 - Wellbo	5,100.00	4,952.64	58.97	35.90	2.556	SF
BUFFALO 12-1 FED COM 2BS 4H - Wellbore #1 - Wellbo	9,990.02	9,993.87	827.22	759.37	12.192	CC, ES
BUFFALO 12-1 FED COM 2BS 4H - Wellbore #1 - Wellbo	10,000.00	9,994.57	827.28	759.38	12.183	SF
BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellb	4,678.82	4,551.42	93.24	73.43	4.705	CC, ES
BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellb	4,800.00	4,666.11	101.11	79.22	4.619	SF
ESMERALDA 24 FEDERAL 1 (P&A) - Wellbore #1 - Well	20,944.25	11,423.43	330.89	57.02	1.208	Collision Avoidance Req., CC
LA RICA FEDERAL 1 (P&A) - Wellbore #1 - Wellbore #1	15,300.00	11,455.43	1,674.98	1,434.00	6.951	SF
LA RICA FEDERAL 1 (P&A) - Wellbore #1 - Wellbore #1	15,338.32	11,455.43	1,674.54	1,433.63	6.951	CC, ES
Millie Mile 13-24 Fed Com 101H - Wellbore #1 - Plan 3	1,500.00	1,500.00	80.00	70.59	8.502	CC, ES
Millie Mile 13-24 Fed Com 101H - Wellbore #1 - Plan 3	1,700.00	1,700.63	82.66	72.40	8.060	SF
Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3	1,500.00	1,500.00	20.00	10.59	2.125	CC
Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3	1,500.10	1,500.10	20.00	10.59	2.125	ES
Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3	1,600.00	1,600.20	20.37	10.62	2.089	SF
Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3	1,500.00	1,500.00	60.00	50.59	6.376	CC
Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3	1,600.00	1,600.66	60.32	50.57	6.187	ES
Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3	1,700.00	1,700.73	62.23	51.94	6.047	SF
Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3	1,465.83	1,466.21	38.04	28.76	4.097	CC, ES
Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3	7,300.00	7,280.06	164.11	116.57	3.452	SF
Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3	1,500.00	1,500.00	280.00	270.59	29.756	CC
Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3	1,600.00	1,603.57	280.23	270.48	28.722	ES
Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3	22,584.05	22,317.39	1,870.00	1,699.21	10.949	SF
Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3	2,359.02	2,418.33	257.29	242.25	17.107	CC
Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3	2,400.00	2,459.04	257.53	242.25	16.853	ES
Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3	22,584.05	22,435.73	1,100.00	927.23	6.367	SF
Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3	1,853.46	1,874.84	277.46	266.31	24.882	CC
Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3	1,900.00	1,923.49	277.63	266.25	24.399	ES
Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3	22,584.05	22,819.35	1,715.63	1,465.37	6.855	SF
STETSON 13 24 1BS FEDERAL COM 5H - Wellbore #1	10,163.37	9,900.00	1,238.53	1,195.66	28.888	CC, ES
STETSON 13 24 1BS FEDERAL COM 5H - Wellbore #1	22,400.00	20,070.24	1,738.46	1,502.16	7.357	SF
STETSON 13 24 2BS FEDERAL COM 10H - Wellbore #1	9,913.60	9,644.00	1,190.56	1,132.09	20.362	CC, ES
STETSON 13 24 2BS FEDERAL COM 10H - Wellbore #1	22,584.05	20,709.00	1,694.32	1,434.07	6.510	SF

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM 2BS 1H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 160-MWD+IGRF													Offset Well Error:	0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	11.00	-0.33	0.50	0.50	69.07	330.63	864.37	925.45					
100.00	100.00	108.12	96.79	0.66	0.75	69.06	330.84	864.49	925.64	924.24	1.40	659.881		
200.00	200.00	205.46	194.13	1.35	1.10	69.03	331.44	864.80	926.16	923.72	2.44	379.275		
300.00	300.00	308.70	297.37	1.82	1.60	68.99	332.23	865.00	926.61	923.23	3.38	274.219		
400.00	400.00	410.72	399.38	2.19	2.04	68.93	333.15	864.81	926.76	922.61	4.16	222.991		
500.00	500.00	511.87	500.53	2.51	2.41	68.88	333.90	864.53	926.77	921.97	4.80	192.926		
600.00	600.00	612.34	600.99	2.80	2.74	68.85	334.36	864.24	926.67	921.29	5.37	172.410		
665.90	665.90	677.24	665.90	2.97	2.93	68.83	334.70	864.05	926.61	920.91	5.71	162.340		
700.00	700.00	710.12	698.77	3.06	3.02	68.81	334.93	863.99	926.64	920.77	5.87	157.835		
800.00	800.00	811.48	800.13	3.30	3.32	68.76	335.76	863.82	926.78	920.43	6.35	146.015		
900.00	900.00	914.10	902.74	3.53	3.61	68.71	336.45	863.37	926.61	919.81	6.80	136.209		
1,000.00	1,000.00	1,015.45	1,004.09	3.75	3.89	68.66	337.06	862.72	926.24	919.01	7.23	128.105		
1,100.00	1,100.00	1,118.68	1,107.31	3.96	4.16	68.59	337.83	861.75	925.63	917.99	7.64	121.165		
1,200.00	1,200.00	1,218.82	1,207.44	4.15	4.42	68.53	338.54	860.61	924.83	916.80	8.03	115.171		
1,300.00	1,300.00	1,318.72	1,307.34	4.34	4.67	68.46	339.18	859.50	924.03	915.62	8.41	109.846		
1,400.00	1,400.00	1,417.77	1,406.38	4.53	4.91	68.42	339.57	858.55	923.28	914.50	8.78	105.162		
1,500.00	1,500.00	1,514.61	1,503.22	4.70	5.12	68.38	339.90	857.79	922.68	913.56	9.12	101.181		
1,544.76	1,544.76	1,554.06	1,542.67	4.79	5.22	-81.65	340.10	857.68	922.60	913.37	9.23	99.910		
1,600.00	1,599.98	1,602.60	1,591.21	4.91	5.36	-81.74	340.41	857.86	922.72	913.34	9.38	98.379		
1,700.00	1,699.84	1,694.56	1,683.15	5.54	5.60	-82.04	341.20	859.06	923.50	913.83	9.67	95.524		
1,800.00	1,799.49	1,792.39	1,780.97	5.70	5.80	-71.10	342.34	860.60	923.86	914.00	9.87	93.622		
1,900.00	1,899.08	1,889.21	1,877.76	5.92	5.94	-50.67	343.60	862.32	921.52	911.19	10.33	89.196		
2,000.00	1,998.51	1,987.20	1,975.72	6.34	6.10	-35.67	345.08	864.30	916.15	905.28	10.87	84.251		
2,100.00	2,097.67	2,083.95	2,072.44	6.73	6.26	-25.63	346.64	866.30	907.53	896.12	11.42	79.494		
2,200.00	2,196.44	2,180.31	2,168.75	7.02	6.43	-18.89	348.33	868.72	896.01	883.99	12.02	74.557		
2,300.00	2,294.70	2,277.20	2,265.59	7.24	6.61	-14.22	350.06	871.30	881.30	868.62	12.68	69.525		
2,400.00	2,392.32	2,374.14	2,362.47	7.61	6.79	-10.86	351.94	874.07	863.48	850.10	13.38	64.524		
2,500.00	2,489.19	2,466.89	2,455.16	8.11	7.00	-8.36	354.16	876.76	842.56	828.47	14.08	59.823		
2,600.00	2,585.19	2,570.30	2,558.47	8.63	7.24	-6.51	357.39	879.78	818.67	803.80	14.87	55.067		
2,700.00	2,680.21	2,672.80	2,660.93	9.15	7.44	-4.86	357.75	882.69	790.22	774.57	15.65	50.494		
2,800.00	2,774.44	2,763.61	2,751.69	9.44	7.54	-4.50	357.27	885.56	759.31	743.18	16.13	47.085		
2,900.00	2,868.63	2,855.72	2,843.73	9.76	7.63	-4.52	356.57	889.25	728.91	712.27	16.63	43.819		
3,000.00	2,962.82	2,949.79	2,937.71	10.10	7.75	-4.52	355.88	893.27	698.75	681.58	17.17	40.688		
3,100.00	3,057.01	3,058.47	3,046.30	10.46	7.86	-4.54	354.79	897.29	668.02	650.30	17.72	37.700		
3,200.00	3,151.20	3,160.67	3,148.49	10.83	7.92	-4.62	353.53	898.95	635.39	617.17	18.22	34.879		
3,300.00	3,245.39	3,257.87	3,245.67	11.21	7.94	-4.75	352.39	899.71	602.07	583.39	18.68	32.237		
3,400.00	3,339.58	3,352.83	3,340.62	11.60	7.94	-4.92	351.43	900.05	568.47	549.36	19.12	29.737		
3,500.00	3,433.77	3,446.51	3,434.30	12.00	7.95	-5.18	351.03	900.10	534.86	515.31	19.55	27.355		
3,600.00	3,527.96	3,540.97	3,528.76	12.41	8.06	-5.53	350.94	900.01	501.29	481.23	20.06	24.989		
3,700.00	3,622.16	3,635.40	3,623.20	12.82	8.17	-5.95	351.02	899.76	467.67	447.09	20.58	22.728		
3,800.00	3,716.35	3,729.22	3,717.02	13.25	8.43	-6.47	351.36	899.38	434.08	412.86	21.21	20.462		
3,900.00	3,810.54	3,823.05	3,810.84	13.68	8.69	-7.14	352.04	898.90	400.59	378.73	21.86	18.325		
4,000.00	3,904.73	3,917.41	3,905.19	14.11	8.85	-7.99	353.06	898.23	367.17	344.80	22.38	16.410		
4,100.00	3,998.92	4,011.59	3,999.36	14.55	8.98	-9.04	354.20	897.44	333.79	310.93	22.86	14.599		
4,200.00	4,093.11	4,105.63	4,093.39	15.00	9.11	-10.27	355.11	896.77	300.52	277.17	23.35	12.871		
4,300.00	4,187.30	4,200.30	4,188.06	15.45	9.23	-11.77	355.81	896.13	267.31	243.50	23.81	11.226		
4,400.00	4,281.49	4,294.25	4,282.01	15.91	9.35	-13.68	356.44	895.41	234.21	209.95	24.26	9.654		
4,500.00	4,375.68	4,387.80	4,375.55	16.37	9.48	-16.15	357.05	894.88	201.54	176.84	24.70	8.160		
4,600.00	4,469.87	4,481.89	4,469.64	16.83	9.72	-19.59	357.77	894.43	169.50	144.31	25.19	6.730		
4,700.00	4,564.06	4,576.00	4,563.74	17.30	9.97	-24.64	358.63	893.87	138.28	112.72	25.56	5.410		
4,800.00	4,658.26	4,670.40	4,658.14	17.77	10.13	-32.47	359.38	893.29	108.52	82.95	25.57	4.244		
4,900.00	4,752.45	4,764.39	4,752.12	18.24	10.27	-45.42	359.99	892.66	81.85	56.92	24.93	3.284		

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM 2BS 1H - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 160-MWD+IGRF													Offset Well Error: 0.50 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,846.64	4,858.39	4,846.12	18.72	10.42	-67.40	360.78	892.05	62.86	39.60	23.26	2.703	
5,071.11	4,913.62	4,925.42	4,913.14	19.06	10.52	-88.61	361.31	891.79	58.17	35.49	22.68	2.565 CC, ES	
5,100.00	4,940.83	4,952.64	4,940.36	19.20	10.57	-97.58	361.49	891.67	58.97	35.90	23.08	2.556 SF	
5,200.00	5,035.02	5,046.66	5,034.38	19.68	10.71	-123.82	362.08	891.15	72.67	46.92	25.75	2.822	
5,300.00	5,129.21	5,140.79	5,128.51	20.16	10.93	-140.06	362.68	890.56	96.89	69.02	27.88	3.476	
5,400.00	5,223.40	5,235.01	5,222.73	20.64	11.17	-149.64	363.23	890.07	125.59	96.33	29.26	4.292	
5,500.00	5,317.59	5,329.52	5,317.23	21.13	11.41	-155.66	363.74	889.73	156.21	125.89	30.31	5.153	
5,600.00	5,411.78	5,424.25	5,411.96	21.62	11.66	-159.73	364.23	889.66	187.62	156.40	31.21	6.011	
5,700.00	5,505.97	5,518.81	5,506.52	22.11	11.83	-162.65	364.67	889.80	219.44	187.50	31.94	6.870	
5,800.00	5,600.16	5,613.45	5,601.16	22.60	11.96	-164.86	365.00	890.07	251.53	218.91	32.61	7.713	
5,900.00	5,694.35	5,708.95	5,696.66	23.09	12.04	-166.64	365.09	890.64	283.62	250.34	33.28	8.521	
6,000.00	5,788.55	5,795.65	5,783.34	23.59	12.04	-168.17	363.83	890.54	316.85	282.98	33.87	9.356	
6,100.00	5,882.74	5,888.84	5,876.48	24.08	12.01	-169.78	360.73	889.41	351.62	317.01	34.61	10.158	
6,200.00	5,976.93	5,979.53	5,967.08	24.58	11.95	-171.20	356.88	888.34	386.78	351.65	35.12	11.012	
6,300.00	6,071.12	6,070.33	6,057.70	25.08	11.87	-172.58	351.52	887.00	422.77	387.16	35.62	11.870	
6,400.00	6,165.31	6,163.99	6,151.16	25.58	11.78	-173.87	345.41	885.60	459.15	422.99	36.15	12.700	
6,500.00	6,259.50	6,255.80	6,242.77	26.08	11.70	-174.93	339.56	884.30	495.57	458.91	36.66	13.520	
6,600.00	6,353.69	6,344.41	6,331.19	26.58	11.63	-175.79	334.07	882.56	532.57	495.46	37.10	14.354	
6,700.00	6,447.88	6,436.04	6,422.58	27.08	11.58	-176.60	327.83	880.31	570.26	532.66	37.60	15.166	
6,800.00	6,542.07	6,527.59	6,513.85	27.58	11.56	-177.38	320.98	878.35	607.98	569.86	38.12	15.948	
6,900.00	6,636.26	6,618.50	6,604.28	28.09	11.55	-178.31	311.80	877.01	646.06	607.42	38.64	16.719	
7,000.00	6,730.45	6,709.18	6,694.40	28.59	11.53	-179.20	301.81	875.87	684.38	645.23	39.15	17.482	
7,100.00	6,824.65	6,799.55	6,784.24	29.10	11.51	-179.97	292.10	874.41	723.05	683.40	39.64	18.239	
7,200.00	6,918.84	6,893.24	6,877.32	29.61	11.51	-179.26	281.43	873.08	761.88	721.69	40.19	18.959	
7,300.00	7,013.03	6,988.08	6,971.60	30.11	11.52	-178.60	271.28	871.98	800.34	759.59	40.75	19.641	
7,400.00	7,107.22	7,081.02	7,063.97	30.62	11.55	-177.98	261.07	871.17	838.75	797.46	41.29	20.312	
7,500.00	7,201.41	7,180.82	7,163.17	31.13	11.61	-177.37	250.07	870.70	876.93	834.99	41.94	20.909	
7,600.00	7,295.60	7,282.93	7,264.51	31.64	11.69	-176.67	237.69	872.14	913.99	871.36	42.62	21.443	
7,700.00	7,390.45	7,380.13	7,360.96	32.16	11.77	-176.09	225.85	874.28	948.62	905.38	43.24	21.940	
7,800.00	7,486.35	7,487.04	7,467.14	32.72	11.85	-175.51	213.65	877.00	979.47	935.49	43.98	22.273	
7,900.00	7,583.18	7,592.04	7,571.44	33.28	11.94	-174.97	202.21	880.94	1,005.79	961.12	44.67	22.516	
8,000.00	7,680.82	7,689.22	7,668.04	33.82	12.02	-174.51	192.30	884.70	1,028.42	983.16	45.26	22.721	
8,100.00	7,779.15	7,786.39	7,764.69	34.34	12.11	-174.09	182.88	888.15	1,047.77	1,001.94	45.83	22.861	
8,200.00	7,878.06	7,886.03	7,863.84	34.84	12.21	-173.68	173.69	891.46	1,063.75	1,017.35	46.40	22.926	
8,300.00	7,977.42	7,976.52	7,953.95	35.31	12.30	-173.32	165.71	893.95	1,076.67	1,029.82	46.85	22.983	
8,400.00	8,077.11	8,076.27	8,053.35	35.74	12.40	-172.97	157.54	895.90	1,086.60	1,039.25	47.35	22.950	
8,500.00	8,177.01	8,176.07	8,152.90	36.13	12.50	-172.67	150.74	897.11	1,093.09	1,045.29	47.80	22.869	
8,600.00	8,277.00	8,297.39	8,273.93	36.25	12.65	-119.52	142.92	900.02	1,095.04	1,046.80	48.24	22.700	
8,700.00	8,377.00	8,400.56	8,376.79	36.28	12.78	-119.94	135.84	903.95	1,095.14	1,046.77	48.37	22.640	
8,800.00	8,477.00	8,501.40	8,477.39	36.30	12.90	-120.30	129.92	907.37	1,095.14	1,046.68	48.47	22.596	
8,900.00	8,577.00	8,604.47	8,580.31	36.33	13.03	-120.60	125.08	910.38	1,095.01	1,046.43	48.58	22.541	
9,000.00	8,677.00	8,704.90	8,680.63	36.36	13.16	-120.83	121.48	912.98	1,094.62	1,045.95	48.66	22.493	
9,100.00	8,777.00	8,804.08	8,779.76	36.38	13.28	-121.00	118.79	914.92	1,094.32	1,045.60	48.73	22.459	
9,200.00	8,877.00	8,901.67	8,877.32	36.41	13.40	-121.14	116.66	916.33	1,094.22	1,045.44	48.78	22.433	
9,300.00	8,977.00	9,213.68	9,182.56	36.44	14.31	-118.90	166.51	918.19	1,087.27	1,035.92	51.35	21.173	
9,400.00	9,077.00	9,889.60	9,616.94	36.46	15.80	-93.25	631.60	957.38	1,046.95	993.80	53.15	19.700	
9,500.00	9,177.00	9,907.55	9,619.97	36.49	15.95	-92.12	649.27	958.22	998.89	945.53	53.37	18.717	
9,600.00	9,277.00	9,946.88	9,624.98	36.52	16.31	-89.63	688.24	959.85	958.47	905.03	53.44	17.934	
9,700.00	9,377.00	9,965.60	9,626.45	36.55	16.49	-88.43	706.89	960.68	926.77	873.54	53.23	17.412	
9,800.00	9,477.00	9,974.93	9,626.97	36.57	16.57	-87.83	716.19	961.10	904.96	852.24	52.72	17.165	
9,900.00	9,577.00	9,980.52	9,627.20	36.60	16.63	-87.48	721.77	961.36	893.83	841.89	51.94	17.210	
9,950.27	9,627.28	9,982.19	9,627.27	36.62	16.65	-87.37	723.44	961.43	892.42	840.97	51.45	17.345	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM 2BS 1H - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 160-MWD+IGRF													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,000.00	9,677.00	9,984.03	9,627.34	36.63	16.66	-87.25	725.28	961.52	893.80	842.89	50.91	17.555	
10,100.00	9,777.00	9,987.16	9,627.45	36.66	16.70	-87.05	728.40	961.66	904.88	855.16	49.71	18.202	
10,200.00	9,877.00	9,989.69	9,627.53	36.69	16.72	-86.89	730.93	961.78	926.66	878.25	48.42	19.140	
10,300.00	9,977.00	9,991.79	9,627.59	36.72	16.74	-86.75	733.02	961.88	958.43	911.32	47.11	20.343	
10,400.00	10,077.00	9,993.55	9,627.63	36.74	16.76	-86.64	734.78	961.96	999.23	953.35	45.88	21.779	
10,500.00	10,177.00	9,995.06	9,627.67	36.77	16.77	-86.54	736.28	962.03	1,048.02	1,003.24	44.78	23.405	
10,600.00	10,277.00	9,996.36	9,627.70	36.80	16.79	-86.46	737.58	962.09	1,103.72	1,059.88	43.84	25.176	
10,700.00	10,377.00	9,997.49	9,627.72	36.83	16.80	-86.39	738.71	962.14	1,165.36	1,122.28	43.08	27.049	
10,800.00	10,477.00	10,005.00	9,627.83	36.86	16.87	-85.90	746.21	962.49	1,232.07	1,189.55	42.52	28.975	
10,900.00	10,577.00	10,005.00	9,627.83	36.89	16.87	-85.90	746.21	962.49	1,303.01	1,260.89	42.12	30.938	
11,000.00	10,677.00	10,005.00	9,627.83	36.92	16.87	-85.90	746.21	962.49	1,377.56	1,335.70	41.86	32.906	
11,100.00	10,777.00	10,005.00	9,627.83	36.95	16.87	-85.90	746.21	962.49	1,455.17	1,413.42	41.74	34.861	
11,200.00	10,877.00	10,005.00	9,627.83	36.98	16.87	-85.90	746.21	962.49	1,535.36	1,493.63	41.73	36.793	
11,300.00	10,976.83	10,005.00	9,627.83	36.93	16.87	84.04	746.21	962.49	1,617.81	1,576.02	41.79	38.717	
11,400.00	11,074.52	9,993.39	9,627.63	36.81	16.76	68.81	734.62	961.95	1,701.02	1,659.19	41.83	40.668	
11,500.00	11,167.13	9,975.00	9,626.97	36.68	16.57	55.63	716.26	961.10	1,782.46	1,740.59	41.87	42.570	
11,600.00	11,251.83	9,975.00	9,626.97	36.55	16.57	46.18	716.26	961.10	1,859.74	1,817.72	42.02	44.263	
11,700.00	11,326.05	9,950.11	9,625.28	36.43	16.34	38.79	691.46	959.99	1,930.78	1,888.74	42.04	45.929	
11,800.00	11,387.54	9,911.00	9,620.51	36.33	15.98	33.46	652.68	958.36	1,994.51	1,952.51	42.00	47.490	
11,900.00	11,434.44	9,911.00	9,620.51	36.27	15.98	30.10	652.68	958.36	2,048.22	2,006.01	42.21	48.523	
12,000.00	11,465.31	9,887.04	9,616.48	36.24	15.78	27.61	629.09	957.24	2,092.00	2,049.65	42.35	49.395	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM 2BS 4H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft	
Survey Program:		190-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,600.00	5,411.78	5,663.54	5,626.10	21.62	17.04	20.14	494.52	3,123.75	2,061.45	2,024.01	37.44	55.062			
5,700.00	5,505.97	5,741.63	5,703.71	22.11	17.34	20.53	490.62	3,116.11	2,020.29	1,982.10	38.19	52.896			
5,800.00	5,600.16	5,821.91	5,783.56	22.60	17.65	20.94	486.82	3,108.62	1,979.68	1,940.73	38.94	50.834			
5,900.00	5,694.35	5,899.00	5,860.27	23.09	17.94	21.34	483.26	3,101.92	1,939.74	1,900.05	39.69	48.873			
6,000.00	5,788.55	5,978.31	5,939.24	23.59	18.23	21.77	479.63	3,095.52	1,900.51	1,860.08	40.42	47.014			
6,100.00	5,882.74	6,072.76	6,033.30	24.08	18.59	22.29	475.42	3,088.14	1,861.62	1,820.48	41.14	45.247			
6,200.00	5,976.93	6,155.94	6,116.14	24.58	18.89	22.78	471.60	3,081.61	1,822.85	1,780.99	41.86	43.544			
6,300.00	6,071.12	6,242.48	6,202.32	25.08	19.21	23.33	466.91	3,075.22	1,784.63	1,742.07	42.56	41.933			
6,400.00	6,165.31	6,337.82	6,297.20	25.58	19.56	23.99	460.74	3,068.19	1,746.58	1,703.36	43.22	40.410			
6,500.00	6,259.50	6,431.14	6,390.04	26.08	19.90	24.67	454.73	3,060.99	1,708.43	1,664.55	43.88	38.935			
6,600.00	6,353.69	6,521.64	6,480.10	26.58	20.24	25.36	449.12	3,053.99	1,670.46	1,625.93	44.53	37.511			
6,700.00	6,447.88	6,614.03	6,572.04	27.08	20.58	26.08	443.56	3,046.82	1,632.68	1,587.51	45.17	36.144			
6,800.00	6,542.07	6,699.24	6,656.82	27.58	20.90	26.78	438.26	3,040.17	1,595.12	1,549.31	45.81	34.820			
6,900.00	6,636.26	6,778.48	6,735.72	28.09	21.19	27.44	433.58	3,034.52	1,558.39	1,511.94	46.45	33.551			
7,000.00	6,730.45	6,859.93	6,816.89	28.59	21.48	28.14	429.10	3,029.32	1,522.58	1,475.52	47.06	32.355			
7,100.00	6,824.65	6,948.07	6,904.75	29.10	21.79	28.91	424.59	3,024.04	1,487.37	1,439.74	47.63	31.227			
7,200.00	6,918.84	7,033.00	6,989.45	29.61	22.09	29.68	420.60	3,019.28	1,452.74	1,404.55	48.19	30.144			
7,300.00	7,013.03	7,119.25	7,075.51	30.11	22.38	30.47	416.84	3,014.83	1,418.79	1,370.06	48.73	29.115			
7,400.00	7,107.22	7,207.54	7,163.62	30.62	22.68	31.30	413.23	3,010.61	1,385.44	1,336.21	49.23	28.140			
7,500.00	7,201.41	7,295.48	7,251.41	31.13	22.98	32.16	409.98	3,006.70	1,352.66	1,302.95	49.72	27.207			
7,600.00	7,295.60	7,390.47	7,346.26	31.64	23.29	33.08	406.64	3,002.61	1,320.32	1,270.17	50.14	26.331			
7,700.00	7,390.45	7,492.53	7,448.11	32.16	23.64	33.77	402.45	2,997.62	1,289.47	1,238.94	50.53	25.520			
7,800.00	7,486.35	7,579.28	7,534.66	32.72	23.94	34.30	398.63	2,993.15	1,261.55	1,210.54	51.01	24.729			
7,900.00	7,583.18	7,676.23	7,631.42	33.28	24.27	34.89	394.58	2,988.60	1,237.08	1,185.64	51.44	24.049			
8,000.00	7,680.82	7,787.50	7,742.34	33.82	24.68	35.63	388.65	2,982.25	1,214.96	1,163.20	51.76	23.471			
8,100.00	7,779.15	7,881.87	7,836.37	34.34	25.03	36.21	383.26	2,976.20	1,195.29	1,143.11	52.18	22.905			
8,200.00	7,878.06	7,985.30	7,939.45	34.84	25.41	36.77	378.08	2,969.57	1,178.46	1,125.90	52.56	22.422			
8,300.00	7,977.42	8,089.41	8,043.23	35.31	25.80	37.25	373.56	2,962.54	1,164.05	1,111.09	52.95	21.984			
8,400.00	8,077.11	8,191.77	8,145.30	35.74	26.17	37.57	370.72	2,955.54	1,152.01	1,098.61	53.40	21.574			
8,500.00	8,177.01	8,287.73	8,241.07	36.13	26.49	37.71	369.74	2,949.52	1,142.86	1,088.93	53.93	21.193			
8,600.00	8,277.00	8,390.89	8,344.06	36.25	26.82	105.99	369.93	2,943.62	1,136.58	1,082.30	54.28	20.938			
8,700.00	8,377.00	8,516.59	8,469.37	36.28	27.30	106.22	368.05	2,934.04	1,129.70	1,075.26	54.44	20.751			
8,800.00	8,477.00	8,614.14	8,566.44	36.30	27.70	106.48	365.32	2,924.72	1,121.32	1,066.58	54.73	20.487			
8,900.00	8,577.00	8,696.30	8,648.19	36.33	28.02	106.77	361.64	2,917.39	1,114.05	1,058.98	55.07	20.229			
9,000.00	8,677.00	8,778.00	8,729.47	36.36	28.33	107.13	356.39	2,911.10	1,108.53	1,053.18	55.35	20.029			
9,100.00	8,777.00	8,861.51	8,812.59	36.38	28.63	107.51	350.34	2,905.75	1,104.56	1,049.01	55.54	19.886			
9,200.00	8,877.00	9,438.77	9,358.35	36.41	30.54	105.08	428.39	2,795.87	1,088.77	1,036.56	52.21	20.855			
9,300.00	8,977.00	9,502.77	9,410.15	36.44	30.64	103.41	461.71	2,778.53	1,045.52	991.83	53.69	19.474			
9,400.00	9,077.00	9,612.66	9,494.06	36.46	30.77	99.71	528.19	2,754.15	1,004.98	949.74	55.23	18.196			
9,500.00	9,177.00	9,944.73	9,659.36	36.49	31.81	81.95	798.62	2,674.50	959.77	901.10	58.67	16.358			
9,600.00	9,277.00	9,955.26	9,661.35	36.52	31.89	81.24	808.67	2,672.04	913.57	852.43	61.14	14.942			
9,700.00	9,377.00	9,968.33	9,663.53	36.55	31.97	80.35	821.21	2,669.10	876.08	812.58	63.50	13.797			
9,800.00	9,477.00	9,982.00	9,665.51	36.57	32.05	79.42	834.42	2,666.20	848.57	783.01	65.56	12.943			
9,900.00	9,577.00	9,982.00	9,665.51	36.60	32.05	79.42	834.42	2,666.20	832.09	765.14	66.94	12.430			
9,990.02	9,667.02	9,993.87	9,667.02	36.63	32.13	78.60	845.95	2,663.81	827.22	759.37	67.85	12.192 CC, ES			
10,000.00	9,677.00	9,994.57	9,667.11	36.63	32.14	78.55	846.64	2,663.68	827.28	759.38	67.91	12.183 SF			
10,100.00	9,777.00	10,001.15	9,667.87	36.66	32.18	78.10	853.04	2,662.41	834.44	766.33	68.11	12.251			
10,200.00	9,877.00	10,006.97	9,668.50	36.69	32.22	77.70	858.72	2,661.31	853.26	785.59	67.67	12.608			
10,300.00	9,977.00	10,012.16	9,669.04	36.72	32.26	77.34	863.80	2,660.36	883.01	816.29	66.72	13.235			
10,400.00	10,077.00	10,029.00	9,670.57	36.74	32.37	76.18	880.31	2,657.42	922.81	857.24	65.56	14.075			
10,500.00	10,177.00	10,029.00	9,670.57	36.77	32.37	76.18	880.31	2,657.42	971.01	907.01	64.00	15.173			
10,600.00	10,277.00	10,029.00	9,670.57	36.80	32.37	76.18	880.31	2,657.42	1,026.71	964.34	62.38	16.460			

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM 2BS 4H - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 190-MWD+IGRF							Rule Assigned:						Offset Well Error: 0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,700.00	10,377.00	10,029.00	9,670.57	36.83	32.37	76.18	880.31	2,657.42	1,088.77	1,027.97	60.81	17.906	
10,800.00	10,477.00	10,029.00	9,670.57	36.86	32.37	76.18	880.31	2,657.42	1,156.16	1,096.82	59.35	19.482	
10,900.00	10,577.00	10,029.00	9,670.57	36.89	32.37	76.18	880.31	2,657.42	1,228.01	1,169.98	58.03	21.162	
11,000.00	10,677.00	10,029.00	9,670.57	36.92	32.37	76.18	880.31	2,657.42	1,303.57	1,246.70	56.87	22.923	
11,100.00	10,777.00	10,029.00	9,670.57	36.95	32.37	76.18	880.31	2,657.42	1,382.24	1,326.38	55.86	24.745	
11,200.00	10,877.00	10,029.00	9,670.57	36.98	32.37	76.18	880.31	2,657.42	1,463.51	1,408.51	55.00	26.610	
11,300.00	10,976.83	10,029.00	9,670.57	36.93	32.37	-92.70	880.31	2,657.42	1,547.38	1,493.09	54.28	28.506	
11,400.00	11,074.52	10,029.00	9,670.57	36.81	32.37	-76.01	880.31	2,657.42	1,633.34	1,579.52	53.82	30.346	
11,500.00	11,167.13	10,029.00	9,670.57	36.68	32.37	-60.78	880.31	2,657.42	1,718.78	1,665.15	53.63	32.049	
11,600.00	11,251.83	10,029.00	9,670.57	36.55	32.37	-48.83	880.31	2,657.42	1,801.36	1,747.69	53.67	33.564	
11,700.00	11,326.05	10,000.16	9,667.76	36.43	32.18	-39.73	852.07	2,662.60	1,878.30	1,824.50	53.79	34.917	
11,800.00	11,387.54	9,982.00	9,665.51	36.33	32.05	-33.68	834.42	2,666.20	1,948.18	1,894.03	54.15	35.976	
11,900.00	11,434.44	9,982.00	9,665.51	36.27	32.05	-29.58	834.42	2,666.20	2,009.74	1,955.02	54.72	36.729	
12,000.00	11,465.31	9,935.00	9,657.42	36.24	31.76	-26.71	789.40	2,676.90	2,061.01	2,005.82	55.19	37.341	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft
Survey Program: 151-MWD+IGRF												Offset Well Error:	0.50 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	7.70	-0.03	0.50	0.50	67.67	330.41	804.34	869.56				
100.00	100.00	107.29	99.56	0.66	0.74	67.67	330.34	804.40	869.59	868.19	1.40	622.398	
200.00	200.00	208.15	200.42	1.35	1.25	67.69	330.09	804.54	869.62	867.04	2.58	337.013	
300.00	300.00	307.74	300.01	1.82	1.81	67.73	329.55	804.69	869.56	865.97	3.59	242.531	
300.51	300.51	308.25	300.51	1.82	1.81	67.73	329.55	804.69	869.56	865.97	3.59	242.223	
400.00	400.00	407.66	399.92	2.19	2.36	67.77	329.00	804.96	869.60	865.12	4.48	194.046	
500.00	500.00	509.12	501.38	2.51	2.91	67.80	328.54	805.07	869.53	864.20	5.33	163.179	
600.00	600.00	611.75	604.02	2.80	3.20	67.82	328.12	804.93	869.24	863.37	5.87	147.997	
700.00	700.00	711.50	703.76	3.06	3.38	67.84	327.58	804.44	868.59	862.28	6.31	137.595	
800.00	800.00	815.38	807.64	3.30	3.65	67.84	327.43	804.08	868.23	861.40	6.82	127.226	
900.00	900.00	927.00	919.24	3.53	3.95	67.83	326.93	802.35	866.61	859.24	7.37	117.578	
1,000.00	1,000.00	1,030.43	1,022.64	3.75	4.19	67.82	326.15	799.81	864.05	856.21	7.84	110.260	
1,100.00	1,100.00	1,133.93	1,126.11	3.96	4.43	67.81	325.13	797.19	861.34	853.04	8.30	103.811	
1,200.00	1,200.00	1,241.24	1,233.35	4.15	4.71	67.84	323.32	793.93	857.89	849.12	8.77	97.826	
1,300.00	1,300.00	1,344.94	1,336.96	4.34	5.00	67.91	320.80	790.31	853.73	844.50	9.24	92.431	
1,400.00	1,400.00	1,438.60	1,430.53	4.53	5.26	67.97	318.58	787.13	849.71	840.03	9.68	87.810	
1,500.00	1,500.00	1,552.28	1,544.11	4.70	5.61	68.02	315.96	782.91	845.41	835.21	10.20	82.886	
1,600.00	1,599.98	1,653.13	1,644.81	4.91	5.99	-82.17	313.49	778.17	839.89	829.19	10.70	78.494	
1,700.00	1,699.84	1,741.92	1,733.50	5.54	6.26	-82.55	311.32	774.51	834.47	823.35	11.11	75.092	
1,800.00	1,799.49	1,841.46	1,832.95	5.70	6.55	-71.63	308.97	771.24	829.05	817.59	11.46	72.320	
1,900.00	1,899.08	1,937.96	1,929.38	5.92	6.83	-51.18	307.21	767.92	820.74	808.67	12.07	67.998	
2,000.00	1,998.51	2,035.45	2,026.81	6.34	7.10	-36.18	305.81	764.71	809.40	796.65	12.74	63.519	
2,100.00	2,097.67	2,133.24	2,124.54	6.73	7.38	-26.14	304.40	761.66	794.87	781.47	13.40	59.307	
2,200.00	2,196.44	2,229.00	2,220.26	7.02	7.65	-19.41	303.04	759.04	777.37	763.27	14.09	55.152	
2,300.00	2,294.70	2,325.28	2,316.49	7.24	7.92	-14.75	301.87	756.58	756.79	741.96	14.83	51.041	
2,400.00	2,392.32	2,420.00	2,411.18	7.61	8.19	-11.40	300.85	754.14	732.95	717.37	15.58	47.038	
2,500.00	2,489.19	2,515.00	2,506.15	8.11	8.45	-8.92	300.03	751.85	706.04	689.69	16.35	43.183	
2,600.00	2,585.19	2,607.35	2,598.47	8.63	8.69	-6.92	298.51	750.34	676.21	659.11	17.11	39.530	
2,700.00	2,680.21	2,699.59	2,690.69	9.15	8.91	-5.32	297.23	749.13	643.50	625.66	17.84	36.073	
2,800.00	2,774.44	2,788.88	2,779.98	9.44	9.11	-5.18	296.86	748.03	608.94	590.62	18.32	33.245	
2,900.00	2,868.63	2,879.63	2,870.72	9.76	9.26	-5.46	296.56	747.55	574.89	556.10	18.78	30.606	
3,000.00	2,962.82	2,967.26	2,958.34	10.10	9.30	-5.86	297.28	747.34	541.61	522.43	19.17	28.246	
3,100.00	3,057.01	3,058.96	3,050.04	10.46	9.24	-6.29	298.20	748.12	509.33	489.85	19.48	26.152	
3,200.00	3,151.20	3,154.49	3,145.55	10.83	9.18	-6.90	299.95	748.64	477.21	457.43	19.77	24.136	
3,300.00	3,245.39	3,247.36	3,238.40	11.21	9.13	-7.60	301.79	748.97	445.06	424.97	20.09	22.156	
3,400.00	3,339.58	3,339.79	3,330.81	11.60	9.06	-8.35	303.51	749.99	413.53	393.14	20.39	20.281	
3,500.00	3,433.77	3,434.02	3,425.01	12.00	8.98	-9.26	305.56	751.27	382.44	361.76	20.68	18.491	
3,600.00	3,527.96	3,529.64	3,520.59	12.41	8.92	-10.42	308.01	752.27	351.41	330.43	20.98	16.751	
3,700.00	3,622.16	3,625.11	3,616.02	12.82	8.90	-11.90	310.76	752.78	320.27	298.98	21.29	15.047	
3,800.00	3,716.35	3,718.36	3,709.22	13.25	8.90	-13.78	313.95	752.95	289.39	267.80	21.59	13.403	
3,900.00	3,810.54	3,811.70	3,802.47	13.68	8.90	-16.18	317.86	753.39	259.53	237.68	21.85	11.875	
4,000.00	3,904.73	3,905.96	3,896.64	14.11	8.91	-19.25	322.10	754.00	230.54	208.49	22.05	10.457	
4,100.00	3,998.92	4,000.42	3,990.99	14.55	8.92	-23.18	326.52	754.73	202.55	180.41	22.14	9.150	
4,200.00	4,093.11	4,096.13	4,086.60	15.00	8.93	-28.33	330.92	755.54	175.74	153.67	22.07	7.962	
4,300.00	4,187.30	4,190.84	4,181.23	15.45	8.95	-34.83	334.50	756.74	150.32	128.50	21.82	6.888	
4,400.00	4,281.49	4,286.19	4,276.50	15.91	8.96	-43.61	338.09	758.32	127.69	106.37	21.32	5.990	
4,500.00	4,375.68	4,381.46	4,371.70	16.37	8.99	-55.52	341.37	759.80	108.87	88.40	20.47	5.318	
4,600.00	4,469.87	4,476.63	4,466.80	16.83	9.02	-71.10	344.54	761.12	96.54	76.85	19.69	4.903	
4,678.82	4,544.11	4,551.42	4,541.56	17.20	9.07	-85.32	346.91	761.94	93.24	73.43	19.82	4.705 CC, ES	
4,700.00	4,564.06	4,571.46	4,561.59	17.30	9.09	-89.25	347.54	762.08	93.49	73.45	20.04	4.666	
4,800.00	4,658.26	4,666.11	4,656.19	17.77	9.17	-106.92	350.42	762.49	101.11	79.22	21.89	4.619 SF	
4,900.00	4,752.45	4,760.76	4,750.80	18.24	9.27	-121.21	353.24	762.87	117.40	93.39	24.02	4.889	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft	
Survey Program:		151-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.00	4,846.64	4,855.91	4,845.91	18.72	9.36	-131.82	356.00	763.33	139.28	113.58	25.70	5.419			
5,100.00	4,940.83	4,950.36	4,940.32	19.20	9.46	-139.46	358.59	764.00	164.35	137.42	26.93	6.102			
5,200.00	5,035.02	5,044.84	5,034.76	19.68	9.57	-145.06	361.32	764.42	191.79	163.90	27.89	6.877			
5,300.00	5,129.21	5,139.43	5,129.31	20.16	9.68	-149.35	363.73	764.80	220.55	191.85	28.70	7.685			
5,400.00	5,223.40	5,234.24	5,224.11	20.64	9.80	-152.79	365.67	765.13	250.22	220.80	29.41	8.507			
5,500.00	5,317.59	5,331.50	5,321.35	21.13	9.86	-155.72	366.89	765.89	280.11	250.03	30.09	9.310			
5,600.00	5,411.78	5,430.76	5,420.57	21.62	9.85	-158.65	365.40	767.95	309.35	278.56	30.79	10.048			
5,700.00	5,505.97	5,531.45	5,521.14	22.11	9.86	-161.42	362.10	771.79	337.62	306.14	31.48	10.723			
5,800.00	5,600.16	5,630.90	5,620.36	22.60	9.83	-163.87	358.04	777.21	364.98	332.88	32.11	11.368			
5,900.00	5,694.35	5,727.49	5,716.66	23.09	9.78	-166.00	353.65	783.27	392.12	359.45	32.66	12.005			
6,000.00	5,788.55	5,827.55	5,816.35	23.59	9.73	-167.98	348.76	790.25	419.09	385.83	33.26	12.601			
6,100.00	5,882.74	5,916.95	5,905.41	24.08	9.70	-169.56	344.23	796.54	446.42	412.69	33.73	13.235			
6,200.00	5,976.93	6,007.73	5,995.95	24.58	9.68	-170.89	340.10	801.61	475.30	441.07	34.22	13.888			
6,300.00	6,071.12	6,102.51	6,090.55	25.08	9.68	-172.05	336.35	806.27	504.89	470.12	34.77	14.519			
6,400.00	6,165.31	6,196.61	6,184.46	25.58	9.69	-173.07	332.68	810.87	534.67	499.35	35.32	15.139			
6,500.00	6,259.50	6,289.78	6,277.48	26.08	9.71	-173.93	329.31	815.08	564.85	528.99	35.86	15.752			
6,600.00	6,353.69	6,381.78	6,369.37	26.58	9.76	-174.62	326.71	818.65	595.52	559.12	36.40	16.363			
6,700.00	6,447.88	6,476.89	6,464.42	27.08	9.82	-175.14	325.03	821.70	626.57	589.59	36.98	16.945			
6,800.00	6,542.07	6,570.56	6,558.02	27.58	9.88	-175.62	323.29	824.78	657.60	620.07	37.54	17.518			
6,900.00	6,636.26	6,666.86	6,654.26	28.09	9.94	-176.06	321.56	827.80	688.81	650.68	38.13	18.064			
7,000.00	6,730.45	6,759.87	6,747.21	28.59	10.01	-176.43	320.18	830.76	719.91	681.22	38.69	18.605			
7,100.00	6,824.65	6,852.48	6,839.77	29.10	10.08	-176.75	318.82	833.31	751.42	712.16	39.26	19.141			
7,200.00	6,918.84	6,947.54	6,934.79	29.61	10.17	-177.07	317.25	835.83	783.09	743.24	39.85	19.650			
7,300.00	7,013.03	7,044.30	7,031.50	30.11	10.26	-177.37	315.64	838.58	814.62	774.15	40.47	20.130			
7,400.00	7,107.22	7,137.98	7,125.13	30.62	10.36	-177.63	314.29	841.30	846.04	804.99	41.05	20.608			
7,500.00	7,201.41	7,230.26	7,217.37	31.13	10.47	-177.85	313.06	843.66	877.75	836.12	41.63	21.084			
7,600.00	7,295.60	7,325.23	7,312.31	31.64	10.58	-178.06	311.79	845.91	909.63	867.40	42.23	21.538			
7,700.00	7,390.45	7,419.32	7,406.37	32.16	10.70	-178.25	310.85	848.08	939.54	896.70	42.84	21.930			
7,800.00	7,486.35	7,515.16	7,502.17	32.72	10.83	-178.42	309.75	850.12	966.31	922.81	43.51	22.211			
7,900.00	7,583.18	7,608.31	7,595.30	33.28	10.95	-178.58	308.61	852.06	989.80	945.68	44.12	22.435			
8,000.00	7,680.82	7,704.66	7,691.63	33.82	11.08	-178.72	307.25	853.64	1,010.35	965.61	44.74	22.583			
8,100.00	7,779.15	7,805.34	7,792.28	34.34	11.23	-178.86	305.90	855.41	1,027.35	981.96	45.38	22.637			
8,200.00	7,878.06	7,901.81	7,888.73	34.84	11.38	-178.97	304.91	857.04	1,040.85	994.88	45.97	22.643			
8,300.00	7,977.42	7,997.98	7,984.89	35.31	11.54	-179.04	304.17	858.18	1,051.26	1,004.72	46.54	22.588			
8,400.00	8,077.11	8,095.55	8,082.46	35.74	11.72	-179.09	303.64	859.02	1,058.43	1,011.33	47.10	22.471			
8,500.00	8,177.01	8,193.85	8,180.76	36.13	11.80	-179.10	303.79	859.42	1,062.29	1,014.72	47.56	22.335			
8,600.00	8,277.00	8,290.49	8,277.39	36.25	11.83	-110.84	304.25	859.43	1,063.04	1,015.32	47.72	22.275			
8,700.00	8,377.00	8,392.56	8,379.46	36.28	11.90	-110.84	304.27	859.49	1,062.98	1,015.15	47.83	22.226			
8,800.00	8,477.00	8,501.14	8,488.03	36.30	12.05	-110.91	303.40	860.66	1,062.25	1,014.22	48.03	22.116			
8,900.00	8,577.00	8,603.02	8,589.88	36.33	12.21	-111.03	301.68	862.56	1,061.11	1,012.93	48.18	22.024			
9,000.00	8,677.00	8,702.54	8,689.39	36.36	12.34	-111.07	301.49	863.95	1,059.88	1,011.56	48.32	21.936			
9,100.00	8,777.00	8,803.23	8,790.07	36.38	12.42	-111.01	302.84	864.64	1,058.75	1,010.29	48.47	21.846			
9,200.00	8,877.00	8,901.81	8,888.61	36.41	12.49	-110.89	305.46	864.99	1,057.48	1,008.86	48.62	21.750			
9,300.00	8,977.00	8,996.28	8,983.00	36.44	12.58	-110.68	309.31	864.36	1,056.64	1,007.89	48.75	21.673			
9,400.00	9,077.00	9,094.26	9,080.84	36.46	12.62	-110.40	314.33	862.90	1,056.25	1,007.38	48.87	21.613			
9,500.00	9,177.00	9,203.28	9,189.75	36.49	12.64	-110.15	318.93	861.95	1,055.61	1,006.55	49.06	21.515			
9,600.00	9,277.00	9,304.52	9,290.96	36.52	12.71	-110.03	321.44	862.52	1,054.23	1,005.02	49.21	21.423			
9,700.00	9,377.00	9,409.86	9,396.29	36.55	12.83	-109.99	322.70	863.78	1,052.70	1,003.28	49.42	21.300			
9,800.00	9,477.00	9,500.88	9,487.30	36.57	12.95	-109.98	323.35	864.93	1,051.27	1,001.77	49.50	21.237			
9,853.76	9,530.77	9,544.35	9,530.77	36.59	12.99	-109.98	323.40	865.16	1,050.99	1,001.53	49.46	21.251			
9,900.00	9,577.00	9,580.98	9,567.39	36.60	13.01	-109.98	323.23	865.04	1,051.20	1,001.80	49.40	21.278			
10,000.00	9,677.00	9,672.09	9,658.49	36.63	13.05	-110.01	322.31	863.91	1,052.69	1,003.35	49.34	21.334			

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft		
Survey Program: 151-MWD+IGRF				Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error: 0.50 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,100.00	9,777.00	9,775.40	9,761.79	36.66	13.03	-110.00	321.84	862.23	1,054.39	1,005.01	49.38	21.354			
10,200.00	9,877.00	9,877.48	9,863.84	36.69	13.00	-109.90	323.22	860.30	1,055.70	1,006.27	49.43	21.357			
10,300.00	9,977.00	9,992.45	9,978.78	36.72	13.00	-109.77	325.13	858.98	1,056.21	1,006.58	49.63	21.282			
10,400.00	10,077.00	10,091.92	10,078.25	36.74	13.04	-109.75	325.62	858.90	1,056.13	1,006.41	49.72	21.243			
10,500.00	10,177.00	10,195.44	10,181.76	36.77	13.08	-109.69	326.83	858.92	1,055.71	1,005.87	49.84	21.182			
10,565.00	10,242.01	10,255.69	10,242.01	36.79	13.11	-109.63	327.85	858.70	1,055.56	1,005.70	49.86	21.171			
10,600.00	10,277.00	10,287.68	10,273.99	36.80	13.11	-109.60	328.37	858.47	1,055.61	1,005.75	49.86	21.173			
10,700.00	10,377.00	10,379.96	10,366.26	36.83	13.12	-109.52	329.59	857.34	1,056.31	1,006.47	49.84	21.195			
10,800.00	10,477.00	10,475.45	10,461.72	36.86	13.11	-109.44	330.54	855.84	1,057.46	1,007.63	49.83	21.222			
10,900.00	10,577.00	10,567.76	10,554.00	36.89	13.09	-109.34	331.65	853.51	1,059.43	1,009.64	49.79	21.280			
11,000.00	10,677.00	10,672.60	10,658.81	36.92	13.08	-109.25	332.66	851.25	1,061.13	1,011.29	49.85	21.288			
11,100.00	10,777.00	10,793.08	10,779.25	36.95	13.12	-109.12	334.21	848.65	1,062.93	1,012.85	50.08	21.223			
11,200.00	10,877.00	10,905.04	10,891.18	36.98	13.23	-109.08	335.61	849.93	1,061.35	1,011.03	50.32	21.091			
11,300.00	10,976.83	10,988.54	10,974.69	36.93	13.28	71.48	335.31	850.62	1,059.34	1,009.15	50.18	21.109			
11,400.00	11,074.52	11,107.33	11,093.36	36.81	16.31	73.66	339.19	849.64	1,052.81	999.55	53.25	19.769			
11,500.00	11,167.13	11,229.53	11,214.24	36.68	20.59	78.24	356.59	848.75	1,039.48	981.85	57.62	18.039			
11,600.00	11,251.83	11,300.07	11,281.90	36.55	19.93	82.61	376.35	846.33	1,025.43	968.85	56.59	18.121			
11,700.00	11,326.05	11,320.57	11,301.17	36.43	19.95	84.62	383.25	845.23	1,015.55	959.80	55.75	18.217			
11,783.42	11,378.32	11,340.00	11,319.29	36.35	19.97	85.94	390.12	843.81	1,012.92	957.95	54.97	18.426			
11,800.00	11,387.54	11,340.00	11,319.29	36.33	19.97	85.93	390.12	843.81	1,013.04	958.26	54.78	18.494			
11,900.00	11,434.44	11,340.00	11,319.29	36.27	19.97	85.35	390.12	843.81	1,018.75	965.20	53.55	19.025			
12,000.00	11,465.31	11,340.00	11,319.29	36.24	19.97	83.95	390.12	843.81	1,032.74	980.48	52.26	19.761			
12,100.00	11,479.21	11,340.00	11,319.29	36.27	19.97	81.76	390.12	843.81	1,054.26	1,003.29	50.97	20.682			
12,200.00	11,480.00	11,314.08	11,295.09	36.33	19.95	79.61	381.02	845.62	1,082.18	1,032.66	49.53	21.851			
12,300.00	11,480.00	11,293.00	11,275.23	36.41	19.93	78.51	374.01	846.58	1,118.01	1,069.91	48.10	23.242			
12,400.00	11,480.00	11,293.00	11,275.23	36.51	19.93	78.51	374.01	846.58	1,160.92	1,114.07	46.85	24.778			
12,500.00	11,480.00	11,272.62	11,255.84	36.63	19.92	77.45	367.77	847.27	1,210.19	1,164.65	45.54	26.576			
12,600.00	11,480.00	11,260.91	11,244.61	36.76	19.91	76.84	364.50	847.64	1,265.20	1,220.83	44.38	28.511			
12,700.00	11,480.00	11,246.00	11,230.20	36.91	19.90	76.06	360.68	848.09	1,325.29	1,281.98	43.31	30.599			
12,800.00	11,480.00	11,246.00	11,230.20	37.07	19.90	76.06	360.68	848.09	1,389.79	1,347.33	42.46	32.734			
12,900.00	11,480.00	11,246.00	11,230.20	37.25	19.90	76.06	360.68	848.09	1,458.29	1,416.58	41.72	34.956			
13,000.00	11,480.00	11,227.65	11,212.35	37.44	19.75	75.10	356.47	848.55	1,529.91	1,489.03	40.88	37.425			
13,100.00	11,480.00	11,221.42	11,206.26	37.64	19.70	74.77	355.16	848.67	1,604.60	1,564.32	40.29	39.828			
13,200.00	11,480.00	11,199.00	11,184.24	37.86	19.51	73.61	350.94	848.95	1,682.16	1,642.53	39.62	42.454			
13,300.00	11,480.00	11,199.00	11,184.24	38.09	19.51	73.61	350.94	848.95	1,761.48	1,722.20	39.28	44.850			
13,400.00	11,480.00	11,199.00	11,184.24	38.33	19.51	73.61	350.94	848.95	1,842.82	1,803.82	38.99	47.260			
13,500.00	11,480.00	11,199.00	11,184.24	38.58	19.51	73.61	350.94	848.95	1,925.91	1,887.14	38.77	49.678			
13,600.00	11,480.00	11,199.00	11,184.24	38.85	19.51	73.61	350.94	848.95	2,010.55	1,971.95	38.59	52.098			
13,700.00	11,480.00	11,199.00	11,184.24	39.13	19.51	73.61	350.94	848.95	2,096.53	2,058.08	38.46	54.518			

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - ESMERALDA 24 FEDERAL 1 (P&A) - Wellbore #1 - Wellbore #1												Offset Site Error:	0.00 usft		
Survey Program: 1000-INC-ONLY				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	50.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
18,900.00	11,480.00	11,423.43	11,480.00	64.63	196.93	90.00	-8,706.07	1,563.15	2,070.86	1,840.82	230.03	9.002			
19,000.00	11,480.00	11,423.43	11,480.00	65.26	196.93	90.00	-8,706.07	1,563.15	1,972.21	1,741.72	230.49	8.557			
19,100.00	11,480.00	11,423.43	11,480.00	65.89	196.93	90.00	-8,706.07	1,563.15	1,873.70	1,642.71	230.99	8.112			
19,200.00	11,480.00	11,423.43	11,480.00	66.52	196.93	90.00	-8,706.07	1,563.15	1,775.36	1,543.82	231.54	7.668			
19,300.00	11,480.00	11,423.43	11,480.00	67.16	196.93	90.00	-8,706.07	1,563.15	1,677.22	1,445.06	232.15	7.225			
19,400.00	11,480.00	11,423.43	11,480.00	67.79	196.93	90.00	-8,706.07	1,563.15	1,579.30	1,346.47	232.83	6.783			
19,500.00	11,480.00	11,423.43	11,480.00	68.43	196.93	90.00	-8,706.07	1,563.15	1,481.67	1,248.08	233.60	6.343			
19,600.00	11,480.00	11,423.43	11,480.00	69.08	196.93	90.00	-8,706.07	1,563.15	1,384.38	1,149.92	234.46	5.904			
19,700.00	11,480.00	11,423.43	11,480.00	69.72	196.93	90.00	-8,706.07	1,563.15	1,287.50	1,052.04	235.46	5.468			
19,800.00	11,480.00	11,423.43	11,480.00	70.37	196.93	90.00	-8,706.07	1,563.15	1,191.13	954.53	236.61	5.034			
19,900.00	11,480.00	11,423.43	11,480.00	71.02	196.93	90.00	-8,706.07	1,563.15	1,095.42	857.47	237.96	4.603			
20,000.00	11,480.00	11,423.43	11,480.00	71.67	196.93	90.00	-8,706.07	1,563.15	1,000.55	760.99	239.56	4.177			
20,100.00	11,480.00	11,423.43	11,480.00	72.33	196.93	90.00	-8,706.07	1,563.15	906.78	665.30	241.48	3.755			
20,200.00	11,480.00	11,423.43	11,480.00	72.99	196.93	90.00	-8,706.07	1,563.15	814.49	570.67	243.82	3.341			
20,300.00	11,480.00	11,423.43	11,480.00	73.65	196.93	90.00	-8,706.07	1,563.15	724.26	477.55	246.71	2.936			
20,400.00	11,480.00	11,423.43	11,480.00	74.31	196.93	90.00	-8,706.07	1,563.15	636.94	386.64	250.31	2.545			
20,500.00	11,480.00	11,423.43	11,480.00	74.97	196.93	90.00	-8,706.07	1,563.15	553.94	299.16	254.78	2.174			
20,600.00	11,480.00	11,423.43	11,480.00	75.64	196.93	90.00	-8,706.07	1,563.15	477.49	217.26	260.23	1.835	Collision Risk Procedures Req.		
20,700.00	11,480.00	11,423.43	11,480.00	76.31	196.93	90.00	-8,706.07	1,563.15	411.27	144.88	266.39	1.544	Collision Risk Procedures Req.		
20,800.00	11,480.00	11,423.43	11,480.00	76.97	196.93	90.00	-8,706.07	1,563.15	360.97	88.92	272.04	1.327	Collision Avoidance Req.		
20,900.00	11,480.00	11,423.43	11,480.00	77.65	196.93	90.00	-8,706.07	1,563.15	333.83	59.31	274.52	1.216	Collision Avoidance Req.		
20,944.25	11,480.00	11,423.43	11,480.00	77.94	196.93	90.00	-8,706.07	1,563.15	330.89	57.02	273.86	1.208	Collision Avoidance Req., CC, ES, SF		
21,000.00	11,480.00	11,423.43	11,480.00	78.32	196.93	90.00	-8,706.07	1,563.15	335.55	64.17	271.38	1.236	Collision Avoidance Req.		
21,100.00	11,480.00	11,423.43	11,480.00	78.99	196.93	90.00	-8,706.07	1,563.15	365.71	102.08	263.63	1.387	Collision Avoidance Req.		
21,200.00	11,480.00	11,423.43	11,480.00	79.67	196.93	90.00	-8,706.07	1,563.15	418.20	163.48	254.72	1.642	Collision Risk Procedures Req.		
21,300.00	11,480.00	11,423.43	11,480.00	80.35	196.93	90.00	-8,706.07	1,563.15	485.84	238.83	247.01	1.967	Collision Risk Procedures Req.		
21,400.00	11,480.00	11,423.43	11,480.00	81.03	196.93	90.00	-8,706.07	1,563.15	563.20	322.09	241.11	2.336			
21,500.00	11,480.00	11,423.43	11,480.00	81.71	196.93	90.00	-8,706.07	1,563.15	646.79	409.97	236.83	2.731			
21,600.00	11,480.00	11,423.43	11,480.00	82.39	196.93	90.00	-8,706.07	1,563.15	734.50	500.71	233.79	3.142			
21,700.00	11,480.00	11,423.43	11,480.00	83.08	196.93	90.00	-8,706.07	1,563.15	825.01	593.35	231.66	3.561			
21,800.00	11,480.00	11,423.43	11,480.00	83.77	196.93	90.00	-8,706.07	1,563.15	917.49	687.32	230.17	3.986			
21,900.00	11,480.00	11,423.43	11,480.00	84.45	196.93	90.00	-8,706.07	1,563.15	1,011.40	782.27	229.14	4.414			
22,000.00	11,480.00	11,423.43	11,480.00	85.14	196.93	90.00	-8,706.07	1,563.15	1,106.39	877.96	228.43	4.843			
22,100.00	11,480.00	11,423.43	11,480.00	85.83	196.93	90.00	-8,706.07	1,563.15	1,202.18	974.23	227.95	5.274			
22,200.00	11,480.00	11,423.43	11,480.00	86.52	196.93	90.00	-8,706.07	1,563.15	1,298.61	1,070.96	227.65	5.705			
22,300.00	11,480.00	11,423.43	11,480.00	87.22	196.93	90.00	-8,706.07	1,563.15	1,395.54	1,168.08	227.46	6.135			
22,400.00	11,480.00	11,423.43	11,480.00	87.91	196.93	90.00	-8,706.07	1,563.15	1,492.88	1,265.52	227.36	6.566			
22,500.00	11,480.00	11,423.43	11,480.00	88.61	196.93	90.00	-8,706.07	1,563.15	1,590.55	1,363.21	227.33	6.997			
22,584.05	11,480.00	11,423.43	11,480.00	89.19	196.93	90.00	-8,706.07	1,563.15	1,672.85	1,445.50	227.35	7.358			

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - LA RICA FEDERAL 1 (P&A) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 1000-INC-ONLY							Rule Assigned:						Offset Well Error: 50.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	11,480.00	11,455.43	11,480.00	40.35	197.50	90.00	-3,106.09	194.95	2,082.67	1,846.05	236.62	8.802	
14,200.00	11,480.00	11,455.43	11,480.00	40.68	197.50	90.00	-3,106.09	194.95	2,024.81	1,787.57	237.24	8.535	
14,300.00	11,480.00	11,455.43	11,480.00	41.03	197.50	90.00	-3,106.09	194.95	1,970.33	1,732.48	237.85	8.284	
14,400.00	11,480.00	11,455.43	11,480.00	41.38	197.50	90.00	-3,106.09	194.95	1,919.52	1,681.08	238.44	8.050	
14,500.00	11,480.00	11,455.43	11,480.00	41.74	197.50	90.00	-3,106.09	194.95	1,872.67	1,633.67	239.00	7.835	
14,600.00	11,480.00	11,455.43	11,480.00	42.11	197.50	90.00	-3,106.09	194.95	1,830.08	1,590.57	239.52	7.641	
14,700.00	11,480.00	11,455.43	11,480.00	42.50	197.50	90.00	-3,106.09	194.95	1,792.08	1,552.09	239.98	7.468	
14,800.00	11,480.00	11,455.43	11,480.00	42.89	197.50	90.00	-3,106.09	194.95	1,758.94	1,518.56	240.38	7.317	
14,900.00	11,480.00	11,455.43	11,480.00	43.29	197.50	90.00	-3,106.09	194.95	1,730.96	1,490.26	240.70	7.191	
15,000.00	11,480.00	11,455.43	11,480.00	43.70	197.50	90.00	-3,106.09	194.95	1,708.38	1,467.45	240.93	7.091	
15,100.00	11,480.00	11,455.43	11,480.00	44.11	197.50	90.00	-3,106.09	194.95	1,691.42	1,450.36	241.06	7.017	
15,200.00	11,480.00	11,455.43	11,480.00	44.54	197.50	90.00	-3,106.09	194.95	1,680.24	1,439.17	241.07	6.970	
15,300.00	11,480.00	11,455.43	11,480.00	44.97	197.50	90.00	-3,106.09	194.95	1,674.98	1,434.00	240.98	6.951 SF	
15,338.32	11,480.00	11,455.43	11,480.00	45.14	197.50	90.00	-3,106.09	194.95	1,674.54	1,433.63	240.92	6.951 CC, ES	
15,400.00	11,480.00	11,455.43	11,480.00	45.41	197.50	90.00	-3,106.09	194.95	1,675.68	1,434.90	240.77	6.960	
15,500.00	11,480.00	11,455.43	11,480.00	45.86	197.50	90.00	-3,106.09	194.95	1,682.33	1,441.87	240.46	6.996	
15,600.00	11,480.00	11,455.43	11,480.00	46.32	197.50	90.00	-3,106.09	194.95	1,694.86	1,454.83	240.04	7.061	
15,700.00	11,480.00	11,455.43	11,480.00	46.79	197.50	90.00	-3,106.09	194.95	1,713.15	1,473.62	239.53	7.152	
15,800.00	11,480.00	11,455.43	11,480.00	47.26	197.50	90.00	-3,106.09	194.95	1,737.02	1,498.07	238.94	7.270	
15,900.00	11,480.00	11,455.43	11,480.00	47.74	197.50	90.00	-3,106.09	194.95	1,766.23	1,527.93	238.30	7.412	
16,000.00	11,480.00	11,455.43	11,480.00	48.22	197.50	90.00	-3,106.09	194.95	1,800.53	1,562.93	237.60	7.578	
16,100.00	11,480.00	11,455.43	11,480.00	48.72	197.50	90.00	-3,106.09	194.95	1,839.63	1,602.76	236.87	7.766	
16,200.00	11,480.00	11,455.43	11,480.00	49.22	197.50	90.00	-3,106.09	194.95	1,883.24	1,647.11	236.13	7.976	
16,300.00	11,480.00	11,455.43	11,480.00	49.72	197.50	90.00	-3,106.09	194.95	1,931.04	1,695.66	235.38	8.204	
16,400.00	11,480.00	11,455.43	11,480.00	50.23	197.50	90.00	-3,106.09	194.95	1,982.74	1,748.11	234.63	8.450	
16,500.00	11,480.00	11,455.43	11,480.00	50.75	197.50	90.00	-3,106.09	194.95	2,038.03	1,804.13	233.90	8.713	
16,600.00	11,480.00	11,455.43	11,480.00	51.27	197.50	90.00	-3,106.09	194.95	2,096.64	1,863.45	233.19	8.991	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 101H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	0.50 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.50	0.50	-90.00	0.00	-80.00	80.00				
100.00	100.00	100.00	100.00	0.66	0.66	-90.00	0.00	-80.00	80.00	78.68	1.32	60.736	
200.00	200.00	200.00	200.00	1.35	1.35	-90.00	0.00	-80.00	80.00	77.30	2.70	29.660	
300.00	300.00	300.00	300.00	1.82	1.82	-90.00	0.00	-80.00	80.00	76.37	3.63	22.013	
400.00	400.00	400.00	400.00	2.19	2.19	-90.00	0.00	-80.00	80.00	75.62	4.38	18.261	
500.00	500.00	500.00	500.00	2.51	2.51	-90.00	0.00	-80.00	80.00	74.98	5.02	15.927	
600.00	600.00	600.00	600.00	2.80	2.80	-90.00	0.00	-80.00	80.00	74.40	5.60	14.294	
700.00	700.00	700.00	700.00	3.06	3.06	-90.00	0.00	-80.00	80.00	73.88	6.12	13.070	
800.00	800.00	800.00	800.00	3.30	3.30	-90.00	0.00	-80.00	80.00	73.39	6.61	12.106	
900.00	900.00	900.00	900.00	3.53	3.53	-90.00	0.00	-80.00	80.00	72.93	7.07	11.323	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-90.00	0.00	-80.00	80.00	72.50	7.50	10.669	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-90.00	0.00	-80.00	80.00	72.09	7.91	10.113	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-90.00	0.00	-80.00	80.00	71.69	8.31	9.631	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	-90.00	0.00	-80.00	80.00	71.31	8.69	9.210	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	-90.00	0.00	-80.00	80.00	70.95	9.05	8.836	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	-90.00	0.00	-80.00	80.00	70.59	9.41	8.502 CC, ES	
1,600.00	1,599.98	1,600.63	1,600.61	4.91	5.06	122.29	1.71	-79.54	80.48	70.73	9.74	8.260	
1,700.00	1,699.84	1,700.63	1,700.47	5.54	5.71	128.88	6.78	-78.17	82.66	72.40	10.26	8.060 SF	
1,800.00	1,799.49	1,799.50	1,798.95	5.70	6.30	149.88	15.10	-75.91	88.47	77.84	10.63	8.324	
1,900.00	1,899.08	1,897.49	1,896.22	5.92	6.86	179.61	26.58	-72.81	98.87	87.75	11.12	8.892	
2,000.00	1,998.51	1,994.64	1,992.19	6.34	7.38	-157.85	41.12	-68.87	113.38	101.64	11.74	9.657	
2,100.00	2,097.67	2,092.65	2,088.73	6.73	7.58	-142.57	57.42	-64.46	130.72	118.30	12.42	10.524	
2,200.00	2,196.44	2,190.75	2,185.36	7.02	7.82	-133.00	73.74	-60.05	149.38	136.32	13.06	11.437	
2,300.00	2,294.70	2,288.82	2,281.96	7.24	8.08	-127.18	90.06	-55.63	168.88	155.29	13.59	12.430	
2,400.00	2,392.32	2,386.73	2,378.41	7.61	8.35	-123.83	106.35	-51.22	189.08	175.05	14.04	13.469	
2,500.00	2,489.19	2,484.36	2,474.58	8.11	8.63	-122.17	122.59	-46.83	210.07	195.60	14.47	14.518	
2,600.00	2,585.19	2,581.60	2,570.36	8.63	8.93	-121.68	138.76	-42.45	232.04	217.14	14.90	15.573	
2,700.00	2,680.21	2,678.32	2,665.64	9.15	9.24	-122.00	154.85	-38.10	255.22	239.88	15.34	16.635	
2,800.00	2,774.44	2,774.60	2,760.48	9.44	9.55	-124.05	170.87	-33.76	279.59	263.89	15.70	17.808	
2,900.00	2,868.63	2,870.86	2,855.29	9.76	9.88	-126.22	186.89	-29.43	304.45	288.34	16.11	18.900	
3,000.00	2,962.82	2,967.12	2,950.11	10.10	10.21	-128.07	202.90	-25.10	329.67	313.13	16.54	19.931	
3,100.00	3,057.01	3,063.37	3,044.93	10.46	10.55	-129.66	218.91	-20.76	355.16	338.17	16.99	20.907	
3,200.00	3,151.20	3,159.63	3,139.75	10.83	10.90	-131.03	234.93	-16.43	380.87	363.42	17.45	21.828	
3,300.00	3,245.39	3,255.89	3,234.56	11.21	11.26	-132.23	250.94	-12.10	406.76	388.84	17.92	22.697	
3,400.00	3,339.58	3,352.15	3,329.38	11.60	11.62	-133.29	266.95	-7.76	432.81	414.40	18.41	23.515	
3,500.00	3,433.77	3,448.41	3,424.20	12.00	11.98	-134.23	282.97	-3.43	458.97	440.07	18.90	24.285	
3,600.00	3,527.96	3,544.66	3,519.02	12.41	12.35	-135.07	298.98	0.90	485.24	465.84	19.40	25.010	
3,700.00	3,622.16	3,640.92	3,613.83	12.82	12.73	-135.82	314.99	5.24	511.59	491.68	19.91	25.693	
3,800.00	3,716.35	3,737.18	3,708.65	13.25	13.11	-136.50	331.01	9.57	538.02	517.59	20.43	26.335	
3,900.00	3,810.54	3,833.44	3,803.47	13.68	13.49	-137.11	347.02	13.90	564.51	543.56	20.95	26.941	
4,000.00	3,904.73	3,929.69	3,898.29	14.11	13.87	-137.67	363.03	18.24	591.06	569.58	21.48	27.513	
4,100.00	3,998.92	4,025.95	3,993.10	14.55	14.26	-138.19	379.05	22.57	617.65	595.64	22.02	28.051	
4,200.00	4,093.11	4,122.21	4,087.92	15.00	14.65	-138.65	395.06	26.90	644.29	621.73	22.56	28.560	
4,300.00	4,187.30	4,218.47	4,182.74	15.45	15.05	-139.09	411.07	31.24	670.97	647.86	23.10	29.041	
4,400.00	4,281.49	4,314.72	4,277.55	15.91	15.45	-139.49	427.09	35.57	697.67	674.02	23.65	29.496	
4,500.00	4,375.68	4,410.98	4,372.37	16.37	15.84	-139.86	443.10	39.90	724.41	700.20	24.21	29.927	
4,600.00	4,469.87	4,507.24	4,467.19	16.83	16.24	-140.20	459.11	44.24	751.17	726.41	24.76	30.335	
4,700.00	4,564.06	4,603.50	4,562.01	17.30	16.65	-140.52	475.13	48.57	777.96	752.64	25.32	30.722	
4,800.00	4,658.26	4,699.75	4,656.82	17.77	17.05	-140.82	491.14	52.90	804.77	778.88	25.89	31.090	
4,900.00	4,752.45	4,796.01	4,751.64	18.24	17.46	-141.10	507.15	57.24	831.59	805.14	26.45	31.439	
5,000.00	4,846.64	4,892.27	4,846.46	18.72	17.87	-141.36	523.17	61.57	858.44	831.42	27.02	31.771	
5,100.00	4,940.83	4,988.53	4,941.28	19.20	18.28	-141.61	539.18	65.90	885.30	857.71	27.59	32.087	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 101H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,035.02	5,084.79	5,036.09	19.68	18.69	-141.84	555.19	70.24	912.17	884.01	28.16	32.388	
5,300.00	5,129.21	5,181.04	5,130.91	20.16	19.10	-142.06	571.21	74.57	939.06	910.32	28.74	32.675	
5,400.00	5,223.40	5,277.30	5,225.73	20.64	19.51	-142.26	587.22	78.90	965.96	936.64	29.32	32.949	
5,500.00	5,317.59	5,373.56	5,320.55	21.13	19.93	-142.46	603.24	83.24	992.87	962.97	29.90	33.210	
5,600.00	5,411.78	5,469.82	5,415.36	21.62	20.34	-142.64	619.25	87.57	1,019.78	989.31	30.48	33.460	
5,700.00	5,505.97	5,566.04	5,510.15	22.11	20.75	-142.82	635.25	91.90	1,046.71	1,015.67	31.04	33.721	
5,800.00	5,600.16	5,661.32	5,604.28	22.60	21.17	-143.08	649.47	95.75	1,073.70	1,042.09	31.61	33.971	
5,900.00	5,694.35	5,756.14	5,698.39	23.09	21.64	-143.49	660.61	98.76	1,100.81	1,068.60	32.21	34.181	
6,000.00	5,788.55	5,850.31	5,792.18	23.59	22.09	-144.05	668.69	100.95	1,128.11	1,095.29	32.82	34.371	
6,100.00	5,882.74	5,943.61	5,885.33	24.08	22.51	-144.73	673.76	102.32	1,155.68	1,122.23	33.45	34.547	
6,200.00	5,976.93	6,035.89	5,977.58	24.58	22.81	-145.53	675.90	102.90	1,183.61	1,149.53	34.08	34.725	
6,300.00	6,071.12	6,129.43	6,071.12	25.08	22.88	-146.40	675.98	102.92	1,211.94	1,177.22	34.72	34.903	
6,400.00	6,165.31	6,223.62	6,165.31	25.58	22.92	-147.24	675.98	102.92	1,240.54	1,205.15	35.39	35.052	
6,500.00	6,259.50	6,317.81	6,259.50	26.08	22.97	-148.05	675.98	102.92	1,269.38	1,233.32	36.07	35.195	
6,600.00	6,353.69	6,412.00	6,353.69	26.58	23.02	-148.82	675.98	102.92	1,298.46	1,261.71	36.75	35.337	
6,700.00	6,447.88	6,506.19	6,447.88	27.08	23.06	-149.56	675.98	102.92	1,327.74	1,290.32	37.42	35.478	
6,800.00	6,542.07	6,600.38	6,542.07	27.58	23.11	-150.27	675.98	102.92	1,357.23	1,319.12	38.10	35.618	
6,900.00	6,636.26	6,694.58	6,636.26	28.09	23.16	-150.95	675.98	102.92	1,386.90	1,348.11	38.78	35.759	
7,000.00	6,730.45	6,788.77	6,730.45	28.59	23.20	-151.60	675.98	102.92	1,416.74	1,377.28	39.46	35.899	
7,100.00	6,824.65	6,882.96	6,824.65	29.10	23.25	-152.23	675.98	102.92	1,446.75	1,406.61	40.14	36.040	
7,200.00	6,918.84	6,977.15	6,918.84	29.61	23.30	-152.83	675.98	102.92	1,476.92	1,436.09	40.82	36.180	
7,300.00	7,013.03	7,071.34	7,013.03	30.11	23.34	-153.40	675.98	102.92	1,507.22	1,465.73	41.50	36.320	
7,400.00	7,107.22	7,165.53	7,107.22	30.62	23.39	-153.96	675.98	102.92	1,537.67	1,495.49	42.17	36.460	
7,500.00	7,201.41	7,259.72	7,201.41	31.13	23.44	-154.49	675.98	102.92	1,568.24	1,525.39	42.85	36.599	
7,600.00	7,295.60	7,353.92	7,295.60	31.64	23.49	-155.03	675.98	102.92	1,598.93	1,555.41	43.52	36.742	
7,700.00	7,390.45	7,448.76	7,390.45	32.16	23.54	-155.74	675.98	102.92	1,627.77	1,583.77	44.19	36.838	
7,800.00	7,486.35	7,544.66	7,486.35	32.72	23.58	-156.36	675.98	102.92	1,654.03	1,609.14	44.89	36.844	
7,900.00	7,583.18	7,641.49	7,583.18	33.28	23.63	-156.89	675.98	102.92	1,677.07	1,631.50	45.57	36.802	
8,000.00	7,680.82	7,739.13	7,680.82	33.82	23.68	-157.33	675.98	102.92	1,697.01	1,650.79	46.22	36.715	
8,100.00	7,779.15	7,837.46	7,779.15	34.34	23.74	-157.69	675.98	102.92	1,713.83	1,666.98	46.84	36.585	
8,200.00	7,878.06	7,936.37	7,878.06	34.84	23.79	-157.98	675.98	102.92	1,727.47	1,680.04	47.44	36.416	
8,300.00	7,977.42	8,035.73	7,977.42	35.31	23.84	-158.20	675.98	102.92	1,737.92	1,689.93	47.99	36.212	
8,400.00	8,077.11	8,135.42	8,077.11	35.74	23.89	-158.35	675.98	102.92	1,745.15	1,696.64	48.50	35.979	
8,500.00	8,177.01	8,235.32	8,177.01	36.13	23.94	-158.43	675.98	102.92	1,749.14	1,700.18	48.96	35.728	
8,600.00	8,277.00	8,335.32	8,277.00	36.25	24.00	-90.21	675.98	102.92	1,750.00	1,700.85	49.15	35.603	
8,700.00	8,377.00	8,435.32	8,377.00	36.28	24.05	-90.21	675.98	102.92	1,750.00	1,700.74	49.26	35.526	
8,800.00	8,477.00	8,535.32	8,477.00	36.30	24.10	-90.21	675.98	102.92	1,750.00	1,700.63	49.37	35.447	
8,900.00	8,577.00	8,635.32	8,577.00	36.33	24.15	-90.21	675.98	102.92	1,750.00	1,700.52	49.48	35.368	
9,000.00	8,677.00	8,735.32	8,677.00	36.36	24.21	-90.21	675.98	102.92	1,750.00	1,700.41	49.59	35.289	
9,100.00	8,777.00	8,835.32	8,777.00	36.38	24.25	-90.21	675.98	102.92	1,750.00	1,700.31	49.69	35.218	
9,200.00	8,877.00	8,927.78	8,927.78	36.41	24.15	-90.83	657.29	105.48	1,748.50	1,698.33	50.17	34.848	
9,300.00	8,977.00	9,135.94	9,065.33	36.44	23.99	-92.56	604.52	112.71	1,744.18	1,693.44	50.74	34.373	
9,400.00	9,077.00	9,248.38	9,157.65	36.46	23.83	-94.66	541.24	121.38	1,739.15	1,688.00	51.16	33.997	
9,500.00	9,177.00	9,332.95	9,217.87	36.49	23.70	-96.62	482.54	129.42	1,735.53	1,684.19	51.34	33.807	
9,569.82	9,246.82	9,379.02	9,246.82	36.51	23.63	-97.80	447.04	134.28	1,734.68	1,683.35	51.33	33.797	
9,600.00	9,277.00	9,396.29	9,256.92	36.52	23.60	-98.26	433.15	136.18	1,734.85	1,683.56	51.29	33.824	
9,700.00	9,377.00	9,444.43	9,282.78	36.55	23.53	-99.60	392.94	141.69	1,738.09	1,687.04	51.05	34.047	
9,800.00	9,477.00	9,481.77	9,300.43	36.57	23.48	-100.69	360.35	146.16	1,745.84	1,695.18	50.65	34.465	
9,900.00	9,577.00	9,511.33	9,312.87	36.60	23.45	-101.57	333.78	149.80	1,758.39	1,708.25	50.14	35.067	
10,000.00	9,677.00	9,535.21	9,321.89	36.63	23.42	-102.30	311.88	152.79	1,775.90	1,726.35	49.55	35.842	
10,100.00	9,777.00	9,550.00	9,327.02	36.66	23.40	-102.75	298.14	154.68	1,798.38	1,749.52	48.86	36.806	
10,200.00	9,877.00	9,571.21	9,333.74	36.69	23.39	-103.41	278.21	157.41	1,825.73	1,777.51	48.22	37.861	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 101H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	9,977.00	9,585.06	9,337.72	36.72	23.37	-103.84	265.07	159.21	1,857.83	1,810.29	47.54	39.081	
10,400.00	10,077.00	9,600.00	9,341.66	36.74	23.36	-104.31	250.79	161.16	1,894.49	1,847.60	46.89	40.407	
10,500.00	10,177.00	9,600.00	9,341.66	36.77	23.36	-104.31	250.79	161.16	1,935.50	1,889.32	46.17	41.919	
10,600.00	10,277.00	9,616.12	9,345.49	36.80	23.35	-104.82	235.27	163.29	1,980.54	1,934.92	45.62	43.418	
10,700.00	10,377.00	9,624.00	9,347.20	36.83	23.34	-105.07	227.65	164.33	2,029.45	1,984.39	45.06	45.040	
10,800.00	10,477.00	9,630.99	9,348.62	36.86	23.34	-105.30	220.88	165.26	2,081.94	2,037.38	44.56	46.723	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+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	0.50	0.50	-90.00	0.00	-20.00	20.00				
100.00	100.00	100.00	100.00	0.66	0.66	-90.00	0.00	-20.00	20.00	18.68	1.32	15.184	
200.00	200.00	200.00	200.00	1.35	1.35	-90.00	0.00	-20.00	20.00	17.30	2.70	7.415	
300.00	300.00	300.00	300.00	1.82	1.82	-90.00	0.00	-20.00	20.00	16.37	3.63	5.503	
400.00	400.00	400.00	400.00	2.19	2.19	-90.00	0.00	-20.00	20.00	15.62	4.38	4.565	
500.00	500.00	500.00	500.00	2.51	2.51	-90.00	0.00	-20.00	20.00	14.98	5.02	3.982	
600.00	600.00	600.00	600.00	2.80	2.80	-90.00	0.00	-20.00	20.00	14.40	5.60	3.574	
700.00	700.00	700.00	700.00	3.06	3.06	-90.00	0.00	-20.00	20.00	13.88	6.12	3.267	
800.00	800.00	800.00	800.00	3.30	3.30	-90.00	0.00	-20.00	20.00	13.39	6.61	3.027	
900.00	900.00	900.00	900.00	3.53	3.53	-90.00	0.00	-20.00	20.00	12.93	7.07	2.831	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-90.00	0.00	-20.00	20.00	12.50	7.50	2.667	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-90.00	0.00	-20.00	20.00	12.09	7.91	2.528	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-90.00	0.00	-20.00	20.00	11.69	8.31	2.408	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	-90.00	0.00	-20.00	20.00	11.31	8.69	2.302	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	-90.00	0.00	-20.00	20.00	10.95	9.05	2.209	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	-90.00	0.00	-20.00	20.00	10.59	9.41	2.125 CC	
1,500.10	1,500.10	1,500.10	1,500.10	4.71	4.71	-90.00	0.00	-20.00	20.00	10.59	9.41	2.125 ES	
1,600.00	1,599.98	1,600.20	1,600.18	4.91	5.05	128.75	1.59	-19.26	20.37	10.62	9.75	2.089 SF	
1,700.00	1,699.84	1,699.82	1,699.66	5.54	5.70	150.95	6.31	-17.06	23.98	13.51	10.47	2.291	
1,800.00	1,799.49	1,798.42	1,797.88	5.70	6.29	-176.87	14.07	-13.44	34.53	23.40	11.13	3.103	
1,900.00	1,899.08	1,896.27	1,895.01	5.92	6.85	-145.73	24.80	-8.44	49.45	37.62	11.83	4.180	
2,000.00	1,998.51	1,995.83	1,993.50	6.34	7.19	-125.19	37.27	-0.98	64.89	52.22	12.67	5.122	
2,100.00	2,097.67	2,095.92	2,092.21	6.73	7.48	-111.70	49.63	9.98	78.30	64.75	13.54	5.781	
2,200.00	2,196.44	2,196.39	2,190.87	7.02	7.85	-102.50	61.82	24.46	89.48	75.22	14.26	6.273	
2,300.00	2,294.70	2,297.15	2,289.27	7.24	8.25	-95.89	73.83	42.48	98.37	83.58	14.79	6.650	
2,400.00	2,392.32	2,398.11	2,387.20	7.61	8.66	-90.88	85.62	64.01	104.93	89.72	15.21	6.898	
2,500.00	2,489.19	2,498.72	2,484.06	8.11	8.92	-87.03	97.14	88.64	109.22	93.75	15.47	7.058	
2,600.00	2,585.19	2,598.67	2,580.14	8.63	9.19	-85.25	108.54	113.71	112.03	96.29	15.73	7.121	
2,700.00	2,680.21	2,698.57	2,676.18	9.15	9.49	-85.53	119.94	138.78	113.61	97.64	15.97	7.114	
2,800.00	2,774.44	2,798.37	2,772.11	9.44	9.80	-88.30	131.32	163.81	114.57	98.42	16.15	7.094	
2,900.00	2,868.63	2,898.16	2,868.03	9.76	10.13	-91.46	142.71	188.85	115.85	99.46	16.39	7.067	
3,000.00	2,962.82	2,997.95	2,963.96	10.10	10.48	-94.54	154.09	213.88	117.48	100.80	16.67	7.046	
3,100.00	3,057.01	3,097.74	3,059.88	10.46	10.83	-97.53	165.47	238.91	119.43	102.44	16.99	7.030	
3,200.00	3,151.20	3,197.53	3,155.81	10.83	11.20	-100.41	176.85	263.95	121.70	104.35	17.35	7.014	
3,300.00	3,245.39	3,297.32	3,251.73	11.21	11.58	-103.18	188.24	288.98	124.27	106.51	17.76	6.996	
3,400.00	3,339.58	3,397.11	3,347.66	11.60	11.97	-105.84	199.62	314.02	127.12	108.89	18.23	6.975	
3,500.00	3,433.77	3,496.89	3,443.58	12.00	12.37	-108.37	211.00	339.05	130.23	111.49	18.74	6.948	
3,600.00	3,527.96	3,596.68	3,539.51	12.41	12.77	-110.78	222.38	364.09	133.58	114.27	19.31	6.917	
3,700.00	3,622.16	3,696.47	3,635.44	12.82	13.18	-113.07	233.77	389.12	137.16	117.22	19.93	6.881	
3,800.00	3,716.35	3,796.26	3,731.36	13.25	13.60	-115.24	245.15	414.15	140.94	120.34	20.60	6.840	
3,900.00	3,810.54	3,896.05	3,827.29	13.68	14.03	-117.29	256.53	439.19	144.92	123.59	21.32	6.797	
4,000.00	3,904.73	3,995.84	3,923.21	14.11	14.46	-119.23	267.91	464.22	149.07	126.99	22.08	6.751	
4,100.00	3,998.92	4,095.63	4,019.14	14.55	14.89	-121.07	279.30	489.26	153.38	130.50	22.88	6.704	
4,200.00	4,093.11	4,195.42	4,115.06	15.00	15.33	-122.80	290.68	514.29	157.85	134.13	23.71	6.656	
4,300.00	4,187.30	4,295.21	4,210.99	15.45	15.78	-124.44	302.06	539.33	162.45	137.87	24.58	6.609	
4,400.00	4,281.49	4,395.00	4,306.91	15.91	16.22	-125.98	313.44	564.36	167.17	141.70	25.47	6.564	
4,500.00	4,375.68	4,494.79	4,402.84	16.37	16.68	-127.44	324.83	589.39	172.01	145.63	26.38	6.520	
4,600.00	4,469.87	4,594.58	4,498.76	16.83	17.13	-128.82	336.21	614.43	176.96	149.64	27.32	6.478	
4,700.00	4,564.06	4,694.37	4,594.69	17.30	17.59	-130.13	347.59	639.46	182.00	153.73	28.27	6.438	
4,800.00	4,658.26	4,794.16	4,690.61	17.77	18.05	-131.36	358.97	664.50	187.13	157.89	29.24	6.400	
4,900.00	4,752.45	4,893.95	4,786.54	18.24	18.51	-132.53	370.36	689.53	192.34	162.12	30.22	6.365	
5,000.00	4,846.64	4,993.74	4,882.46	18.72	18.97	-133.63	381.74	714.56	197.63	166.42	31.21	6.332	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
5,100.00	4,940.83	5,093.52	4,978.39	19.20	19.44	-134.68	393.12	739.60	202.99	170.78	32.21	6.301	
5,200.00	5,035.02	5,193.31	5,074.31	19.68	19.91	-135.67	404.50	764.63	208.41	175.19	33.22	6.273	
5,300.00	5,129.21	5,293.10	5,170.24	20.16	20.38	-136.61	415.89	789.67	213.89	179.65	34.24	6.247	
5,400.00	5,223.40	5,392.89	5,266.16	20.64	20.85	-137.51	427.27	814.70	219.43	184.17	35.26	6.223	
5,500.00	5,317.59	5,492.68	5,362.09	21.13	21.32	-138.36	438.65	839.74	225.02	188.73	36.29	6.200	
5,600.00	5,411.78	5,592.47	5,458.01	21.62	21.80	-139.17	450.03	864.77	230.65	193.33	37.33	6.179	
5,700.00	5,505.97	5,692.26	5,553.94	22.11	22.27	-139.94	461.42	889.80	236.33	197.97	38.36	6.160	
5,800.00	5,600.16	5,792.05	5,649.86	22.60	22.75	-140.67	472.80	914.84	242.05	202.65	39.40	6.143	
5,900.00	5,694.35	5,891.84	5,745.79	23.09	23.23	-141.37	484.18	939.87	247.81	207.36	40.44	6.127	
6,000.00	5,788.55	5,991.63	5,841.72	23.59	23.71	-142.04	495.56	964.91	253.60	212.11	41.49	6.112	
6,100.00	5,882.74	6,091.42	5,937.64	24.08	24.19	-142.68	506.95	989.94	259.42	216.88	42.54	6.099	
6,200.00	5,976.93	6,191.21	6,033.57	24.58	24.67	-143.29	518.33	1,014.98	265.28	221.69	43.59	6.086	
6,300.00	6,071.12	6,291.00	6,129.49	25.08	25.15	-143.88	529.71	1,040.01	271.16	226.53	44.64	6.075	
6,400.00	6,165.31	6,390.79	6,225.42	25.58	25.64	-144.43	541.09	1,065.04	277.07	231.38	45.69	6.064	
6,500.00	6,259.50	6,490.58	6,321.34	26.08	26.12	-144.97	552.48	1,090.08	283.01	236.27	46.74	6.055	
6,600.00	6,353.69	6,590.37	6,417.27	26.58	26.61	-145.48	563.86	1,115.11	288.97	241.18	47.79	6.046	
6,700.00	6,447.88	6,690.15	6,513.19	27.08	27.09	-145.98	575.24	1,140.15	294.95	246.10	48.85	6.038	
6,800.00	6,542.07	6,789.94	6,609.12	27.58	27.58	-146.45	586.62	1,165.18	300.95	251.05	49.90	6.031	
6,900.00	6,636.26	6,889.73	6,705.04	28.09	28.07	-146.91	598.01	1,190.22	306.98	256.02	50.96	6.024	
7,000.00	6,730.45	6,989.52	6,800.97	28.59	28.56	-147.34	609.39	1,215.25	313.02	261.01	52.01	6.018	
7,100.00	6,824.65	7,089.31	6,896.89	29.10	29.05	-147.76	620.77	1,240.28	319.08	266.01	53.07	6.012	
7,200.00	6,918.84	7,189.10	6,992.82	29.61	29.54	-148.17	632.15	1,265.32	325.15	271.02	54.13	6.007	
7,300.00	7,013.03	7,281.75	7,082.14	30.11	30.00	-148.62	642.34	1,287.72	332.12	276.95	55.17	6.020	
7,400.00	7,107.22	7,372.31	7,170.15	30.62	30.49	-149.32	651.16	1,307.11	341.70	285.41	56.29	6.070	
7,500.00	7,201.41	7,462.19	7,258.12	31.13	30.97	-150.22	658.76	1,323.84	353.99	296.54	57.45	6.162	
7,600.00	7,295.60	7,551.21	7,345.78	31.64	31.44	-151.29	665.17	1,337.93	369.01	310.39	58.62	6.295	
7,700.00	7,390.45	7,639.58	7,433.24	32.16	31.88	-152.50	670.41	1,349.46	385.04	325.32	59.72	6.447	
7,800.00	7,486.35	7,727.53	7,520.63	32.72	32.30	-153.61	674.52	1,358.49	400.79	340.04	60.75	6.597	
7,900.00	7,583.18	7,815.09	7,607.88	33.28	32.70	-154.62	677.50	1,365.05	416.22	354.57	61.65	6.751	
8,000.00	7,680.82	7,900.00	7,692.68	33.82	33.05	-155.53	679.34	1,369.09	431.32	368.97	62.35	6.918	
8,100.00	7,779.15	7,989.06	7,781.71	34.34	33.24	-156.41	680.15	1,370.87	446.03	383.09	62.94	7.086	
8,200.00	7,878.06	8,085.41	7,878.06	34.84	33.31	-157.22	680.17	1,370.92	459.52	395.91	63.61	7.224	
8,300.00	7,977.42	8,184.77	7,977.42	35.31	33.34	-157.83	680.17	1,370.92	469.93	405.67	64.26	7.313	
8,400.00	8,077.11	8,284.46	8,077.11	35.74	33.37	-158.24	680.17	1,370.92	477.14	412.33	64.81	7.362	
8,500.00	8,177.01	8,384.36	8,177.01	36.13	33.40	-158.46	680.17	1,370.92	481.13	415.87	65.26	7.372	
8,600.00	8,277.00	8,484.35	8,277.00	36.25	33.43	-90.27	680.17	1,370.92	482.00	416.58	65.42	7.368	
8,700.00	8,377.00	8,584.35	8,377.00	36.28	33.46	-90.27	680.17	1,370.92	482.00	416.52	65.47	7.362	
8,800.00	8,477.00	8,684.35	8,477.00	36.30	33.50	-90.27	680.17	1,370.92	482.00	416.46	65.53	7.355	
8,900.00	8,577.00	8,784.35	8,577.00	36.33	33.53	-90.27	680.17	1,370.92	482.00	416.40	65.60	7.348	
9,000.00	8,677.00	8,884.35	8,677.00	36.36	33.56	-90.27	680.17	1,370.92	482.00	416.34	65.66	7.341	
9,100.00	8,777.00	8,984.35	8,777.00	36.38	33.59	-90.27	680.17	1,370.92	482.00	416.28	65.72	7.335	
9,200.00	8,877.00	9,096.42	8,888.54	36.41	33.50	-91.34	671.22	1,372.34	480.84	414.35	66.50	7.231	
9,300.00	8,977.00	9,202.49	8,990.60	36.44	33.38	-94.71	643.25	1,376.77	477.95	410.35	67.59	7.071	
9,390.14	9,067.15	9,287.06	9,067.15	36.46	33.28	-99.00	607.93	1,382.36	476.41	408.25	68.17	6.989	
9,400.00	9,077.00	9,295.58	9,074.55	36.46	33.26	-99.51	603.76	1,383.02	476.44	408.26	68.18	6.988	
9,500.00	9,177.00	9,374.00	9,139.49	36.49	33.17	-104.76	560.44	1,389.88	480.30	412.68	67.62	7.103	
9,600.00	9,277.00	9,438.68	9,188.13	36.52	33.10	-109.77	518.39	1,396.54	493.04	427.43	65.61	7.515	
9,700.00	9,377.00	9,491.67	9,224.20	36.55	33.05	-114.20	480.07	1,402.61	516.80	454.47	62.32	8.292	
9,800.00	9,477.00	9,535.19	9,251.04	36.57	33.02	-117.96	446.26	1,407.97	552.11	493.82	58.29	9.472	
9,900.00	9,577.00	9,571.17	9,271.22	36.60	33.00	-121.10	416.84	1,412.63	598.25	544.12	54.13	11.052	
10,000.00	9,677.00	9,600.00	9,286.02	36.63	32.98	-123.61	392.40	1,416.50	653.80	603.50	50.30	12.998	
10,100.00	9,777.00	9,626.50	9,298.51	36.66	32.97	-125.89	369.32	1,420.15	717.14	669.99	47.15	15.209	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.00	9,877.00	9,650.00	9,308.66	36.69	32.96	-127.88	348.39	1,423.47	786.79	742.08	44.71	17.599	
10,300.00	9,977.00	9,666.55	9,315.29	36.72	32.96	-129.26	333.42	1,425.84	861.44	818.60	42.85	20.105	
10,400.00	10,077.00	9,682.59	9,321.30	36.74	32.96	-130.58	318.72	1,428.17	940.11	898.53	41.58	22.612	
10,500.00	10,177.00	9,700.00	9,327.34	36.77	32.96	-131.98	302.60	1,430.72	1,021.99	981.21	40.79	25.056	
10,600.00	10,277.00	9,700.00	9,327.34	36.80	32.96	-131.98	302.60	1,430.72	1,106.53	1,066.33	40.20	27.525	
10,700.00	10,377.00	9,719.88	9,333.63	36.83	32.96	-133.55	283.98	1,433.67	1,192.97	1,152.91	40.06	29.776	
10,800.00	10,477.00	9,729.63	9,336.47	36.86	32.96	-134.30	274.76	1,435.13	1,281.24	1,241.19	40.04	31.995	
10,900.00	10,577.00	9,750.00	9,341.90	36.89	32.96	-135.84	255.37	1,438.20	1,371.08	1,330.84	40.24	34.072	
11,000.00	10,677.00	9,750.00	9,341.90	36.92	32.96	-135.84	255.37	1,438.20	1,461.81	1,421.39	40.42	36.170	
11,100.00	10,777.00	9,750.00	9,341.90	36.95	32.96	-135.84	255.37	1,438.20	1,553.68	1,513.00	40.68	38.197	
11,200.00	10,877.00	9,750.00	9,341.90	36.98	32.96	-135.84	255.37	1,438.20	1,646.49	1,605.49	41.00	40.162	
11,300.00	10,976.83	9,750.00	9,341.90	36.93	32.96	34.03	255.37	1,438.20	1,738.90	1,697.54	41.36	42.046	
11,400.00	11,074.52	9,777.06	9,348.03	36.81	32.97	24.33	229.34	1,442.32	1,825.57	1,783.64	41.93	43.538	
11,500.00	11,167.13	9,800.00	9,352.24	36.68	32.98	18.97	207.07	1,445.85	1,905.32	1,862.78	42.55	44.781	
11,600.00	11,251.83	9,800.00	9,352.24	36.55	32.98	15.97	207.07	1,445.85	1,975.89	1,932.79	43.11	45.834	
11,700.00	11,326.05	9,822.61	9,355.51	36.43	32.99	13.78	184.98	1,449.35	2,036.16	1,992.31	43.86	46.427	
11,800.00	11,387.54	9,850.00	9,358.28	36.33	33.01	12.28	158.06	1,453.61	2,085.12	2,040.43	44.69	46.658	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+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	0.50	0.50	-90.00	0.00	-60.00	60.00				
100.00	100.00	100.00	100.00	0.66	0.66	-90.00	0.00	-60.00	60.00	58.68	1.32	45.552	
200.00	200.00	200.00	200.00	1.35	1.35	-90.00	0.00	-60.00	60.00	57.30	2.70	22.245	
300.00	300.00	300.00	300.00	1.82	1.82	-90.00	0.00	-60.00	60.00	56.37	3.63	16.510	
400.00	400.00	400.00	400.00	2.19	2.19	-90.00	0.00	-60.00	60.00	55.62	4.38	13.696	
500.00	500.00	500.00	500.00	2.51	2.51	-90.00	0.00	-60.00	60.00	54.98	5.02	11.945	
600.00	600.00	600.00	600.00	2.80	2.80	-90.00	0.00	-60.00	60.00	54.40	5.60	10.721	
700.00	700.00	700.00	700.00	3.06	3.06	-90.00	0.00	-60.00	60.00	53.88	6.12	9.802	
800.00	800.00	800.00	800.00	3.30	3.30	-90.00	0.00	-60.00	60.00	53.39	6.61	9.080	
900.00	900.00	900.00	900.00	3.53	3.53	-90.00	0.00	-60.00	60.00	52.93	7.07	8.492	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-90.00	0.00	-60.00	60.00	52.50	7.50	8.002	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-90.00	0.00	-60.00	60.00	52.09	7.91	7.585	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-90.00	0.00	-60.00	60.00	51.69	8.31	7.224	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	-90.00	0.00	-60.00	60.00	51.31	8.69	6.907	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	-90.00	0.00	-60.00	60.00	50.95	9.05	6.627	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	-90.00	0.00	-60.00	60.00	50.59	9.41	6.376 CC	
1,600.00	1,599.98	1,600.66	1,600.64	4.91	5.06	123.01	1.65	-59.36	60.32	50.57	9.75	6.187 ES	
1,700.00	1,699.84	1,700.73	1,700.56	5.54	5.70	131.64	6.55	-57.45	62.23	51.94	10.29	6.047 SF	
1,800.00	1,799.49	1,799.72	1,799.17	5.70	6.30	155.26	14.60	-54.32	68.13	57.44	10.69	6.375	
1,900.00	1,899.08	1,897.90	1,896.63	5.92	6.86	-173.31	25.71	-50.00	78.76	67.57	11.20	7.034	
2,000.00	1,998.51	1,995.34	1,992.88	6.34	7.40	-150.05	39.81	-44.52	93.25	81.38	11.87	7.855	
2,100.00	2,097.67	2,092.00	2,087.79	6.73	7.95	-134.07	56.80	-37.91	110.77	98.09	12.68	8.738	
2,200.00	2,196.44	2,189.71	2,183.36	7.02	8.31	-123.55	75.81	-30.51	130.11	116.73	13.37	9.728	
2,300.00	2,294.70	2,287.72	2,279.20	7.24	8.56	-117.26	94.90	-23.09	149.81	135.94	13.87	10.799	
2,400.00	2,392.32	2,385.72	2,375.04	7.61	8.83	-113.73	113.98	-15.67	169.63	155.36	14.27	11.888	
2,500.00	2,489.19	2,483.60	2,470.75	8.11	9.11	-112.05	133.04	-8.25	189.63	175.00	14.63	12.960	
2,600.00	2,585.19	2,581.22	2,566.22	8.63	9.40	-111.65	152.05	-0.86	210.00	195.01	14.99	14.012	
2,700.00	2,680.21	2,678.47	2,661.33	9.15	9.71	-112.16	170.99	6.51	231.00	215.65	15.35	15.049	
2,800.00	2,774.44	2,775.39	2,756.10	9.44	10.03	-114.43	189.86	13.85	252.80	237.14	15.66	16.143	
2,900.00	2,868.63	2,872.29	2,850.87	9.76	10.35	-116.78	208.73	21.19	275.11	259.08	16.03	17.160	
3,000.00	2,962.82	2,969.19	2,945.63	10.10	10.69	-118.79	227.60	28.52	297.80	281.36	16.43	18.124	
3,100.00	3,057.01	3,066.09	3,040.39	10.46	11.04	-120.50	246.47	35.86	320.78	303.93	16.85	19.037	
3,200.00	3,151.20	3,162.99	3,135.15	10.83	11.39	-121.99	265.34	43.20	344.00	326.72	17.29	19.901	
3,300.00	3,245.39	3,259.89	3,229.91	11.21	11.75	-123.30	284.21	50.54	367.42	349.68	17.74	20.717	
3,400.00	3,339.58	3,356.79	3,324.67	11.60	12.12	-124.44	303.08	57.88	390.99	372.80	18.20	21.486	
3,500.00	3,433.77	3,453.69	3,419.43	12.00	12.50	-125.46	321.95	65.22	414.70	396.03	18.67	22.211	
3,600.00	3,527.96	3,550.59	3,514.19	12.41	12.88	-126.37	340.82	72.56	438.52	419.37	19.15	22.895	
3,700.00	3,622.16	3,647.49	3,608.95	12.82	13.26	-127.18	359.69	79.90	462.43	442.79	19.65	23.539	
3,800.00	3,716.35	3,744.39	3,703.71	13.25	13.65	-127.91	378.55	87.24	486.42	466.28	20.14	24.146	
3,900.00	3,810.54	3,841.29	3,798.48	13.68	14.05	-128.58	397.42	94.58	510.48	489.83	20.65	24.719	
4,000.00	3,904.73	3,938.19	3,893.24	14.11	14.45	-129.18	416.29	101.92	534.60	513.43	21.16	25.259	
4,100.00	3,998.92	4,035.08	3,988.00	14.55	14.85	-129.74	435.16	109.25	558.77	537.08	21.68	25.769	
4,200.00	4,093.11	4,131.98	4,082.76	15.00	15.25	-130.24	454.03	116.59	582.98	560.77	22.21	26.251	
4,300.00	4,187.30	4,228.88	4,177.52	15.45	15.66	-130.71	472.90	123.93	607.24	584.50	22.74	26.706	
4,400.00	4,281.49	4,325.78	4,272.28	15.91	16.07	-131.14	491.77	131.27	631.53	608.25	23.27	27.137	
4,500.00	4,375.68	4,422.68	4,367.04	16.37	16.49	-131.54	510.64	138.61	655.85	632.04	23.81	27.545	
4,600.00	4,469.87	4,519.58	4,461.80	16.83	16.90	-131.91	529.51	145.95	680.20	655.84	24.35	27.932	
4,700.00	4,564.06	4,616.48	4,556.56	17.30	17.32	-132.26	548.38	153.29	704.57	679.67	24.90	28.299	
4,800.00	4,658.26	4,713.38	4,651.32	17.77	17.74	-132.58	567.25	160.63	728.97	703.52	25.45	28.647	
4,900.00	4,752.45	4,810.28	4,746.09	18.24	18.17	-132.88	586.12	167.97	753.38	727.38	26.00	28.978	
5,000.00	4,846.64	4,907.18	4,840.85	18.72	18.59	-133.16	604.99	175.31	777.82	751.26	26.55	29.294	
5,100.00	4,940.83	5,004.39	4,935.95	19.20	19.00	-133.44	623.72	182.59	802.26	775.18	27.08	29.626	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1+MS					Rule Assigned:				Offset Well Error:	0.50 usft		
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,200.00	5,035.02	5,101.92	5,031.88	19.68	19.47	-133.90	640.09	188.96	826.66	799.01	27.65	29.899		
5,300.00	5,129.21	5,198.96	5,127.87	20.16	19.99	-134.55	653.36	194.12	851.05	822.81	28.24	30.134		
5,400.00	5,223.40	5,295.29	5,223.57	20.64	20.48	-135.38	663.52	198.07	875.55	846.70	28.85	30.346		
5,500.00	5,317.59	5,390.70	5,318.67	21.13	20.94	-136.37	670.63	200.84	900.26	870.78	29.48	30.537		
5,600.00	5,411.78	5,485.00	5,412.86	21.62	21.34	-137.49	674.74	202.44	925.34	895.21	30.13	30.711		
5,700.00	5,505.97	5,578.12	5,505.97	22.11	21.56	-138.73	675.98	202.92	950.93	920.15	30.78	30.891		
5,800.00	5,600.16	5,672.31	5,600.16	22.60	21.60	-140.00	675.98	202.92	977.05	945.59	31.46	31.057		
5,900.00	5,694.35	5,766.50	5,694.35	23.09	21.65	-141.21	675.98	202.92	1,003.62	971.46	32.16	31.205		
6,000.00	5,788.55	5,860.69	5,788.55	23.59	21.69	-142.35	675.98	202.92	1,030.60	997.73	32.87	31.352		
6,100.00	5,882.74	5,954.88	5,882.74	24.08	21.74	-143.44	675.98	202.92	1,057.95	1,024.37	33.59	31.499		
6,200.00	5,976.93	6,049.07	5,976.93	24.58	21.79	-144.47	675.98	202.92	1,085.66	1,051.35	34.30	31.648		
6,300.00	6,071.12	6,143.26	6,071.12	25.08	21.84	-145.46	675.98	202.92	1,113.69	1,078.66	35.02	31.800		
6,400.00	6,165.31	6,237.46	6,165.31	25.58	21.88	-146.40	675.98	202.92	1,142.02	1,106.28	35.74	31.953		
6,500.00	6,259.50	6,331.65	6,259.50	26.08	21.93	-147.29	675.98	202.92	1,170.62	1,134.16	36.46	32.109		
6,600.00	6,353.69	6,425.84	6,353.69	26.58	21.98	-148.15	675.98	202.92	1,199.49	1,162.31	37.17	32.267		
6,700.00	6,447.88	6,520.03	6,447.88	27.08	22.03	-148.96	675.98	202.92	1,228.59	1,190.70	37.89	32.428		
6,800.00	6,542.07	6,614.22	6,542.07	27.58	22.08	-149.74	675.98	202.92	1,257.92	1,219.32	38.60	32.590		
6,900.00	6,636.26	6,708.41	6,636.26	28.09	22.13	-150.48	675.98	202.92	1,287.46	1,248.15	39.31	32.753		
7,000.00	6,730.45	6,802.60	6,730.45	28.59	22.17	-151.19	675.98	202.92	1,317.19	1,277.17	40.01	32.919		
7,100.00	6,824.65	6,896.79	6,824.65	29.10	22.22	-151.87	675.98	202.92	1,347.10	1,306.38	40.72	33.085		
7,200.00	6,918.84	6,990.98	6,918.84	29.61	22.27	-152.52	675.98	202.92	1,377.18	1,335.77	41.42	33.252		
7,300.00	7,013.03	7,085.17	7,013.03	30.11	22.32	-153.15	675.98	202.92	1,407.42	1,365.31	42.11	33.420		
7,400.00	7,107.22	7,179.36	7,107.22	30.62	22.37	-153.74	675.98	202.92	1,437.81	1,395.00	42.81	33.589		
7,500.00	7,201.41	7,273.56	7,201.41	31.13	22.42	-154.32	675.98	202.92	1,468.34	1,424.84	43.50	33.758		
7,600.00	7,295.60	7,367.75	7,295.60	31.64	22.47	-154.89	675.98	202.92	1,498.99	1,454.81	44.18	33.929		
7,700.00	7,390.45	7,462.60	7,390.45	32.16	22.52	-155.64	675.98	202.92	1,528.00	1,483.14	44.87	34.057		
7,800.00	7,486.35	7,558.50	7,486.35	32.72	22.57	-156.29	675.98	202.92	1,554.05	1,508.48	45.58	34.099		
7,900.00	7,583.18	7,655.32	7,583.18	33.28	22.62	-156.84	675.98	202.92	1,577.08	1,530.82	46.26	34.092		
8,000.00	7,680.82	7,752.96	7,680.82	33.82	22.68	-157.30	675.98	202.92	1,597.02	1,550.10	46.92	34.040		
8,100.00	7,779.15	7,851.30	7,779.15	34.34	22.73	-157.68	675.98	202.92	1,613.83	1,566.29	47.54	33.946		
8,200.00	7,878.06	7,950.20	7,878.06	34.84	22.78	-157.98	675.98	202.92	1,627.47	1,579.34	48.14	33.811		
8,300.00	7,977.42	8,049.56	7,977.42	35.31	22.84	-158.20	675.98	202.92	1,637.92	1,589.23	48.69	33.639		
8,400.00	8,077.11	8,149.26	8,077.11	35.74	22.89	-158.36	675.98	202.92	1,645.15	1,595.95	49.20	33.437		
8,500.00	8,177.01	8,249.16	8,177.01	36.13	22.94	-158.44	675.98	202.92	1,649.14	1,599.49	49.65	33.215		
8,600.00	8,277.00	8,349.15	8,277.00	36.25	23.00	-90.23	675.98	202.92	1,650.00	1,600.16	49.84	33.103		
8,700.00	8,377.00	8,449.15	8,377.00	36.28	23.05	-90.23	675.98	202.92	1,650.00	1,600.06	49.95	33.036		
8,800.00	8,477.00	8,549.15	8,477.00	36.30	23.11	-90.23	675.98	202.92	1,650.00	1,599.95	50.05	32.966		
8,900.00	8,577.00	8,649.15	8,577.00	36.33	23.16	-90.23	675.98	202.92	1,650.00	1,599.85	50.16	32.896		
9,000.00	8,677.00	8,749.15	8,677.00	36.36	23.22	-90.23	675.98	202.92	1,650.00	1,599.74	50.26	32.827		
9,100.00	8,777.00	8,849.15	8,777.00	36.38	23.27	-90.23	675.98	202.92	1,650.00	1,599.63	50.37	32.758		
9,200.00	8,877.00	8,949.15	8,877.00	36.41	23.33	-90.23	675.98	202.92	1,650.00	1,599.53	50.48	32.689		
9,300.00	8,977.00	9,049.15	8,977.00	36.44	23.38	-90.23	675.98	202.92	1,650.00	1,599.42	50.58	32.620		
9,400.00	9,077.00	9,149.15	9,077.00	36.46	23.44	-90.23	675.98	202.92	1,650.00	1,599.31	50.69	32.551		
9,500.00	9,177.00	9,249.15	9,177.00	36.49	23.50	-90.23	675.98	202.92	1,650.00	1,599.21	50.80	32.482		
9,600.00	9,277.00	9,349.15	9,277.00	36.52	23.55	-90.23	675.98	202.92	1,650.00	1,599.10	50.90	32.414		
9,700.00	9,377.00	9,449.15	9,377.00	36.55	23.61	-90.23	675.98	202.92	1,650.00	1,598.99	51.01	32.346		
9,800.00	9,477.00	9,549.15	9,477.00	36.57	23.66	-90.23	675.98	202.92	1,650.00	1,598.88	51.12	32.278		
9,900.00	9,577.00	9,649.15	9,577.00	36.60	23.72	-90.23	675.98	202.92	1,650.00	1,598.78	51.23	32.210		
10,000.00	9,677.00	9,749.15	9,677.00	36.63	23.77	-90.23	675.98	202.92	1,650.00	1,598.68	51.32	32.150		
10,029.34	9,706.34	9,778.50	9,706.34	36.64	23.75	-90.25	675.23	202.92	1,650.00	1,598.66	51.34	32.139		
10,100.00	9,777.00	9,848.28	9,775.64	36.66	23.75	-90.52	667.43	202.96	1,650.02	1,598.62	51.40	32.099		
10,200.00	9,877.00	9,941.81	9,866.06	36.69	23.71	-91.34	643.90	203.06	1,650.34	1,598.82	51.52	32.033		

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1+MS						Rule Assigned:					Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,300.00	9,977.00	10,025.83	9,943.06	36.72	23.63	-92.50	610.48	203.21	1,651.62	1,600.01	51.62	31.999		
10,400.00	10,077.00	10,100.00	10,006.34	36.74	23.55	-93.83	571.90	203.38	1,654.74	1,603.10	51.64	32.041		
10,500.00	10,177.00	10,160.64	10,054.03	36.77	23.47	-95.13	534.49	203.54	1,660.55	1,609.01	51.54	32.216		
10,600.00	10,277.00	10,212.75	10,091.66	36.80	23.41	-96.37	498.46	203.70	1,669.76	1,618.42	51.34	32.522		
10,700.00	10,377.00	10,250.00	10,116.47	36.83	23.36	-97.32	470.69	203.82	1,682.92	1,631.94	50.98	33.012		
10,800.00	10,477.00	10,300.00	10,146.85	36.86	23.29	-98.67	430.99	203.99	1,700.34	1,649.63	50.71	33.529		
10,900.00	10,577.00	10,324.70	10,160.54	36.89	23.26	-99.37	410.44	204.08	1,722.23	1,672.02	50.21	34.300		
11,000.00	10,677.00	10,350.00	10,173.64	36.92	23.23	-100.10	388.80	204.18	1,748.69	1,698.98	49.72	35.173		
11,100.00	10,777.00	10,374.35	10,185.34	36.95	23.20	-100.82	367.44	204.27	1,779.70	1,730.46	49.23	36.149		
11,200.00	10,877.00	10,400.00	10,196.66	36.98	23.17	-101.59	344.43	204.37	1,815.16	1,766.38	48.78	37.209		
11,300.00	10,976.83	10,400.00	10,196.66	36.93	23.17	75.75	344.43	204.37	1,854.13	1,806.03	48.10	38.546		
11,400.00	11,074.52	10,450.00	10,215.72	36.81	23.12	70.40	298.22	204.58	1,893.13	1,845.45	47.68	39.706		
11,500.00	11,167.13	10,450.00	10,215.72	36.68	23.12	66.65	298.22	204.58	1,930.45	1,883.57	46.88	41.175		
11,600.00	11,251.83	10,500.00	10,230.68	36.55	23.08	62.43	250.53	204.78	1,964.93	1,918.53	46.40	42.352		
11,700.00	11,326.05	10,500.00	10,230.68	36.43	23.08	59.64	250.53	204.78	1,995.28	1,949.64	45.64	43.718		
11,800.00	11,387.54	10,550.00	10,241.43	36.33	23.05	56.87	201.72	205.00	2,020.22	1,975.02	45.20	44.692		
11,900.00	11,434.44	10,576.82	10,245.43	36.27	23.04	55.04	175.20	205.11	2,039.37	1,994.68	44.69	45.631		
12,000.00	11,465.31	10,600.00	10,247.89	36.24	23.03	53.88	152.15	205.22	2,052.04	2,007.82	44.22	46.406		
12,100.00	11,479.21	10,649.19	10,250.00	36.27	23.03	53.32	103.03	205.43	2,057.75	2,013.82	43.93	46.843		
12,200.00	11,480.00	10,719.90	10,250.00	36.33	23.05	53.30	32.31	205.74	2,058.01	2,014.39	43.62	47.184		
12,300.00	11,480.00	10,819.90	10,250.00	36.41	23.07	53.30	-67.68	206.18	2,058.01	2,014.60	43.41	47.406		
12,400.00	11,480.00	10,919.90	10,250.00	36.51	23.10	53.30	-167.68	206.62	2,058.01	2,014.74	43.27	47.563		
12,500.00	11,480.00	11,019.90	10,250.00	36.63	23.13	53.30	-267.68	207.05	2,058.01	2,014.83	43.18	47.660		
12,600.00	11,480.00	11,119.90	10,250.00	36.76	23.17	53.30	-367.68	207.49	2,058.01	2,014.86	43.15	47.696		
12,700.00	11,480.00	11,219.90	10,250.00	36.91	23.21	53.30	-467.68	207.93	2,058.01	2,014.84	43.17	47.671		
12,800.00	11,480.00	11,319.90	10,250.00	37.07	23.26	53.30	-567.68	208.37	2,058.01	2,014.76	43.25	47.586		
12,900.00	11,480.00	11,419.90	10,250.00	37.25	23.32	53.30	-667.68	208.81	2,058.01	2,014.63	43.38	47.442		
13,000.00	11,480.00	11,519.90	10,250.00	37.44	23.38	53.30	-767.68	209.25	2,058.01	2,014.45	43.56	47.241		
13,100.00	11,480.00	11,619.90	10,250.00	37.64	23.45	53.30	-867.68	209.68	2,058.01	2,014.21	43.80	46.987		
13,200.00	11,480.00	11,719.90	10,250.00	37.86	23.53	53.30	-967.68	210.12	2,058.01	2,013.92	44.09	46.682		
13,300.00	11,480.00	11,819.90	10,250.00	38.09	23.62	53.30	-1,067.68	210.56	2,058.01	2,013.59	44.42	46.329		
13,400.00	11,480.00	11,919.90	10,250.00	38.33	23.72	53.30	-1,167.67	211.00	2,058.01	2,013.20	44.81	45.932		
13,500.00	11,480.00	12,019.90	10,250.00	38.58	23.83	53.30	-1,267.67	211.44	2,058.01	2,012.77	45.24	45.494		
13,600.00	11,480.00	12,119.90	10,250.00	38.85	23.96	53.30	-1,367.67	211.87	2,058.01	2,012.30	45.71	45.020		
13,700.00	11,480.00	12,219.90	10,250.00	39.13	24.10	53.30	-1,467.67	212.31	2,058.01	2,011.78	46.23	44.514		
13,800.00	11,480.00	12,319.90	10,250.00	39.42	24.26	53.30	-1,567.67	212.75	2,058.01	2,011.21	46.80	43.979		
13,900.00	11,480.00	12,419.90	10,250.00	39.72	24.45	53.30	-1,667.67	213.19	2,058.01	2,010.61	47.40	43.419		
14,000.00	11,480.00	12,519.90	10,250.00	40.03	24.65	53.30	-1,767.67	213.63	2,058.01	2,009.97	48.04	42.838		
14,100.00	11,480.00	12,619.90	10,250.00	40.35	24.88	53.30	-1,867.67	214.07	2,058.01	2,009.29	48.72	42.239		
14,200.00	11,480.00	12,719.90	10,250.00	40.68	25.15	53.30	-1,967.67	214.50	2,058.01	2,008.57	49.44	41.627		
14,300.00	11,480.00	12,819.90	10,250.00	41.03	25.44	53.30	-2,067.67	214.94	2,058.01	2,007.82	50.19	41.003		
14,400.00	11,480.00	12,919.90	10,250.00	41.38	25.76	53.30	-2,167.66	215.38	2,058.01	2,007.03	50.98	40.370		
14,500.00	11,480.00	13,019.90	10,250.00	41.74	26.12	53.30	-2,267.66	215.82	2,058.01	2,006.21	51.80	39.732		
14,600.00	11,480.00	13,119.90	10,250.00	42.11	26.51	53.30	-2,367.66	216.26	2,058.01	2,005.36	52.65	39.092		
14,700.00	11,480.00	13,219.90	10,250.00	42.50	26.94	53.30	-2,467.66	216.69	2,058.01	2,004.49	53.52	38.450		
14,800.00	11,480.00	13,319.90	10,250.00	42.89	27.39	53.30	-2,567.66	217.13	2,058.01	2,003.58	54.43	37.809		
14,900.00	11,480.00	13,419.90	10,250.00	43.29	27.87	53.30	-2,667.66	217.57	2,058.01	2,002.64	55.37	37.171		
15,000.00	11,480.00	13,519.90	10,250.00	43.70	28.38	53.30	-2,767.66	218.01	2,058.01	2,001.68	56.33	36.538		
15,100.00	11,480.00	13,619.90	10,250.00	44.11	28.91	53.30	-2,867.66	218.45	2,058.01	2,000.70	57.31	35.910		
15,200.00	11,480.00	13,719.90	10,250.00	44.54	29.46	53.30	-2,967.66	218.88	2,058.01	1,999.69	58.32	35.289		
15,300.00	11,480.00	13,819.90	10,250.00	44.97	30.03	53.30	-3,067.66	219.32	2,058.01	1,998.66	59.35	34.677		
15,400.00	11,480.00	13,919.90	10,250.00	45.41	30.61	53.30	-3,167.65	219.76	2,058.01	1,997.61	60.40	34.073		

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3											Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS											Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	
15,500.00	11,480.00	14,019.90	10,250.00	45.86	31.21	53.30	-3,267.65	220.20	2,058.01	1,996.54	61.47
15,600.00	11,480.00	14,119.90	10,250.00	46.32	31.82	53.30	-3,367.65	220.64	2,058.01	1,995.45	62.56
15,700.00	11,480.00	14,219.90	10,250.00	46.79	32.44	53.30	-3,467.65	221.08	2,058.01	1,994.34	63.67
15,800.00	11,480.00	14,319.90	10,250.00	47.26	33.07	53.30	-3,567.65	221.51	2,058.01	1,993.21	64.80
15,900.00	11,480.00	14,419.90	10,250.00	47.74	33.71	53.30	-3,667.65	221.95	2,058.01	1,992.06	65.95
16,000.00	11,480.00	14,519.90	10,250.00	48.22	34.36	53.30	-3,767.65	222.39	2,058.01	1,990.90	67.11
16,100.00	11,480.00	14,619.90	10,250.00	48.72	35.02	53.30	-3,867.65	222.83	2,058.01	1,989.73	68.28
16,200.00	11,480.00	14,719.90	10,250.00	49.22	35.68	53.30	-3,967.65	223.27	2,058.01	1,988.54	69.47
16,300.00	11,480.00	14,819.90	10,250.00	49.72	36.35	53.30	-4,067.65	223.70	2,058.01	1,987.34	70.67
16,400.00	11,480.00	14,919.90	10,250.00	50.23	37.02	53.30	-4,167.65	224.14	2,058.01	1,986.12	71.89
16,500.00	11,480.00	15,019.90	10,250.00	50.75	37.70	53.30	-4,267.64	224.58	2,058.01	1,984.89	73.12
16,600.00	11,480.00	15,119.90	10,250.00	51.27	38.38	53.30	-4,367.64	225.02	2,058.01	1,983.65	74.36
16,700.00	11,480.00	15,219.90	10,250.00	51.80	39.07	53.30	-4,467.64	225.46	2,058.01	1,982.40	75.61
16,800.00	11,480.00	15,319.90	10,250.00	52.34	39.76	53.30	-4,567.64	225.90	2,058.01	1,981.14	76.87
16,900.00	11,480.00	15,419.90	10,250.00	52.88	40.46	53.30	-4,667.64	226.33	2,058.01	1,979.86	78.15
17,000.00	11,480.00	15,519.90	10,250.00	53.43	41.16	53.30	-4,767.64	226.77	2,058.01	1,978.58	79.43
17,100.00	11,480.00	15,619.90	10,250.00	53.98	41.86	53.30	-4,867.64	227.21	2,058.01	1,977.29	80.72
17,200.00	11,480.00	15,719.90	10,250.00	54.53	42.56	53.30	-4,967.64	227.65	2,058.01	1,975.99	82.02
17,300.00	11,480.00	15,819.90	10,250.00	55.09	43.27	53.30	-5,067.64	228.09	2,058.01	1,974.68	83.33
17,400.00	11,480.00	15,919.90	10,250.00	55.66	43.98	53.30	-5,167.64	228.52	2,058.01	1,973.36	84.65
17,500.00	11,480.00	16,019.90	10,250.00	56.23	44.69	53.30	-5,267.63	228.96	2,058.01	1,972.03	85.98
17,600.00	11,480.00	16,119.90	10,250.00	56.80	45.41	53.30	-5,367.63	229.40	2,058.01	1,970.70	87.31
17,700.00	11,480.00	16,219.90	10,250.00	57.38	46.12	53.30	-5,467.63	229.84	2,058.01	1,969.36	88.65
17,800.00	11,480.00	16,319.90	10,250.00	57.97	46.84	53.30	-5,567.63	230.28	2,058.01	1,968.01	90.00
17,900.00	11,480.00	16,419.90	10,250.00	58.55	47.56	53.30	-5,667.63	230.71	2,058.01	1,966.66	91.35
18,000.00	11,480.00	16,519.90	10,250.00	59.15	48.28	53.30	-5,767.63	231.15	2,058.01	1,965.30	92.71
18,100.00	11,480.00	16,619.90	10,250.00	59.74	49.01	53.30	-5,867.63	231.59	2,058.01	1,963.94	94.07
18,200.00	11,480.00	16,719.90	10,250.00	60.34	49.73	53.30	-5,967.63	232.03	2,058.01	1,962.57	95.44
18,300.00	11,480.00	16,819.90	10,250.00	60.94	50.46	53.30	-6,067.63	232.47	2,058.01	1,961.19	96.82
18,400.00	11,480.00	16,919.90	10,250.00	61.55	51.19	53.30	-6,167.63	232.91	2,058.01	1,959.81	98.20
18,500.00	11,480.00	17,019.90	10,250.00	62.16	51.92	53.30	-6,267.63	233.34	2,058.01	1,958.42	99.59
18,600.00	11,480.00	17,119.90	10,250.00	62.77	52.65	53.30	-6,367.62	233.78	2,058.01	1,957.03	100.98
18,700.00	11,480.00	17,219.90	10,250.00	63.39	53.38	53.30	-6,467.62	234.22	2,058.01	1,955.63	102.37
18,800.00	11,480.00	17,319.90	10,250.00	64.01	54.12	53.30	-6,567.62	234.66	2,058.01	1,954.23	103.78
18,900.00	11,480.00	17,419.90	10,250.00	64.63	54.85	53.30	-6,667.62	235.10	2,058.01	1,952.83	105.18
19,000.00	11,480.00	17,519.90	10,250.00	65.26	55.59	53.30	-6,767.62	235.53	2,058.01	1,951.42	106.59
19,100.00	11,480.00	17,619.90	10,250.00	65.89	56.32	53.30	-6,867.62	235.97	2,058.01	1,950.01	108.00
19,200.00	11,480.00	17,719.90	10,250.00	66.52	57.06	53.30	-6,967.62	236.41	2,058.01	1,948.59	109.42
19,300.00	11,480.00	17,819.90	10,250.00	67.16	57.80	53.30	-7,067.62	236.85	2,058.01	1,947.17	110.84
19,400.00	11,480.00	17,919.90	10,250.00	67.79	58.54	53.30	-7,167.62	237.29	2,058.01	1,945.75	112.26
19,500.00	11,480.00	18,019.90	10,250.00	68.43	59.28	53.30	-7,267.62	237.73	2,058.01	1,944.32	113.69
19,600.00	11,480.00	18,119.90	10,250.00	69.08	60.02	53.30	-7,367.61	238.16	2,058.01	1,942.89	115.12
19,700.00	11,480.00	18,219.90	10,250.00	69.72	60.76	53.30	-7,467.61	238.60	2,058.01	1,941.46	116.55
19,800.00	11,480.00	18,319.90	10,250.00	70.37	61.50	53.30	-7,567.61	239.04	2,058.01	1,940.03	117.98
19,900.00	11,480.00	18,419.90	10,250.00	71.02	62.25	53.30	-7,667.61	239.48	2,058.01	1,938.59	119.42
20,000.00	11,480.00	18,519.90	10,250.00	71.67	62.99	53.30	-7,767.61	239.92	2,058.01	1,937.14	120.86
20,100.00	11,480.00	18,619.90	10,250.00	72.33	63.74	53.30	-7,867.61	240.35	2,058.01	1,935.70	122.31
20,200.00	11,480.00	18,719.90	10,250.00	72.99	64.48	53.30	-7,967.61	240.79	2,058.01	1,934.25	123.75
20,300.00	11,480.00	18,819.90	10,250.00	73.65	65.23	53.30	-8,067.61	241.23	2,058.01	1,932.80	125.20
20,400.00	11,480.00	18,919.90	10,250.00	74.31	65.97	53.30	-8,167.61	241.67	2,058.01	1,931.35	126.66
20,500.00	11,480.00	19,019.90	10,250.00	74.97	66.72	53.30	-8,267.61	242.11	2,058.01	1,929.90	128.11
20,600.00	11,480.00	19,119.90	10,250.00	75.64	67.47	53.30	-8,367.61	242.54	2,058.01	1,928.44	129.57

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,700.00	11,480.00	19,219.90	10,250.00	76.31	68.22	53.30	-8,467.60	242.98	2,058.01	1,926.99	131.02	15.707	
20,800.00	11,480.00	19,319.90	10,250.00	76.97	68.97	53.30	-8,567.60	243.42	2,058.01	1,925.52	132.48	15.534	
20,900.00	11,480.00	19,419.90	10,250.00	77.65	69.72	53.30	-8,667.60	243.86	2,058.01	1,924.06	133.95	15.364	
21,000.00	11,480.00	19,519.90	10,250.00	78.32	70.47	53.30	-8,767.60	244.30	2,058.01	1,922.60	135.41	15.198	
21,100.00	11,480.00	19,619.90	10,250.00	78.99	71.22	53.30	-8,867.60	244.74	2,058.01	1,921.13	136.88	15.035	
21,200.00	11,480.00	19,719.90	10,250.00	79.67	71.97	53.30	-8,967.60	245.17	2,058.01	1,919.66	138.35	14.876	
21,300.00	11,480.00	19,819.90	10,250.00	80.35	72.72	53.30	-9,067.60	245.61	2,058.01	1,918.19	139.81	14.720	
21,400.00	11,480.00	19,919.90	10,250.00	81.03	73.47	53.30	-9,167.60	246.05	2,058.01	1,916.72	141.29	14.566	
21,500.00	11,480.00	20,019.90	10,250.00	81.71	74.22	53.30	-9,267.60	246.49	2,058.01	1,915.25	142.76	14.416	
21,600.00	11,480.00	20,119.90	10,250.00	82.39	74.97	53.30	-9,367.60	246.93	2,058.01	1,913.77	144.23	14.268	
21,700.00	11,480.00	20,219.90	10,250.00	83.08	75.72	53.30	-9,467.59	247.36	2,058.01	1,912.30	145.71	14.124	
21,800.00	11,480.00	20,319.90	10,250.00	83.77	76.48	53.30	-9,567.59	247.80	2,058.01	1,910.82	147.19	13.982	
21,900.00	11,480.00	20,419.90	10,250.00	84.45	77.23	53.30	-9,667.59	248.24	2,058.01	1,909.34	148.67	13.843	
22,000.00	11,480.00	20,519.90	10,250.00	85.14	77.98	53.30	-9,767.59	248.68	2,058.01	1,907.86	150.15	13.706	
22,100.00	11,480.00	20,619.90	10,250.00	85.83	78.74	53.30	-9,867.59	249.12	2,058.01	1,906.38	151.63	13.572	
22,200.00	11,480.00	20,719.90	10,250.00	86.52	79.49	53.30	-9,967.59	249.56	2,058.01	1,904.89	153.11	13.441	
22,300.00	11,480.00	20,819.90	10,250.00	87.22	80.25	53.30	-10,067.59	249.99	2,058.01	1,903.41	154.60	13.312	
22,400.00	11,480.00	20,919.90	10,250.00	87.91	81.00	53.30	-10,167.59	250.43	2,058.01	1,901.92	156.09	13.185	
22,500.00	11,480.00	21,019.90	10,250.00	88.61	81.76	53.30	-10,267.59	250.87	2,058.01	1,900.44	157.57	13.061	
22,584.05	11,480.00	21,103.95	10,250.00	89.19	82.39	53.30	-10,351.64	251.24	2,058.01	1,899.19	158.82	12.958	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		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	0.50	0.50	-90.00	0.00	-40.00	40.00				
100.00	100.00	100.00	100.00	0.66	0.66	-90.00	0.00	-40.00	40.00	38.68	1.32	30.368	
200.00	200.00	200.00	200.00	1.35	1.35	-90.00	0.00	-40.00	40.00	37.30	2.70	14.830	
300.00	300.00	300.00	300.00	1.82	1.82	-90.00	0.00	-40.00	40.00	36.37	3.63	11.007	
400.00	400.00	400.00	400.00	2.19	2.19	-90.00	0.00	-40.00	40.00	35.62	4.38	9.131	
500.00	500.00	500.00	500.00	2.51	2.51	-90.00	0.00	-40.00	40.00	34.98	5.02	7.963	
600.00	600.00	600.00	600.00	2.80	2.80	-90.00	0.00	-40.00	40.00	34.40	5.60	7.147	
700.00	700.00	700.00	700.00	3.06	3.06	-90.00	0.00	-40.00	40.00	33.88	6.12	6.535	
800.00	800.00	800.00	800.00	3.30	3.30	-90.00	0.00	-40.00	40.00	33.39	6.61	6.053	
900.00	900.00	900.00	900.00	3.53	3.53	-90.00	0.00	-40.00	40.00	32.93	7.07	5.662	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-90.00	0.00	-40.00	40.00	32.50	7.50	5.335	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-90.00	0.00	-40.00	40.00	32.09	7.91	5.056	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-90.00	0.00	-40.00	40.00	31.69	8.31	4.816	
1,300.00	1,300.00	1,300.39	1,300.37	4.34	4.55	-87.57	1.67	-39.46	39.49	30.80	8.70	4.542	
1,400.00	1,400.00	1,400.54	1,400.37	4.53	5.25	-80.00	6.67	-37.83	38.42	29.35	9.06	4.239	
1,465.83	1,465.83	1,466.21	1,465.83	4.64	5.67	-72.00	11.76	-36.18	38.04	28.76	9.28	4.097 CC, ES	
1,500.00	1,500.00	1,500.20	1,499.65	4.70	5.89	-66.96	14.95	-35.14	38.19	28.78	9.41	4.057	
1,600.00	1,599.98	1,598.95	1,597.66	4.91	6.49	160.76	26.38	-31.43	42.74	32.68	10.05	4.250	
1,700.00	1,699.84	1,696.16	1,693.69	5.54	7.06	177.10	40.76	-26.76	56.07	44.62	11.44	4.899	
1,800.00	1,799.49	1,794.75	1,790.73	5.70	7.42	-160.07	56.71	-19.94	75.57	63.24	12.33	6.131	
1,900.00	1,899.08	1,893.96	1,888.21	5.92	7.69	-132.27	72.04	-9.73	94.49	81.34	13.15	7.186	
2,000.00	1,998.51	1,993.74	1,985.95	6.34	8.01	-112.19	86.71	3.90	111.38	97.31	14.07	7.918	
2,100.00	2,097.67	2,093.96	2,083.72	6.73	8.39	-98.25	100.66	20.98	125.88	110.99	14.89	8.453	
2,200.00	2,196.44	2,194.51	2,181.25	7.02	8.77	-88.24	113.85	41.50	137.83	122.27	15.57	8.854	
2,300.00	2,294.70	2,295.25	2,278.32	7.24	9.15	-80.64	126.25	65.44	147.18	131.09	16.09	9.147	
2,400.00	2,392.32	2,396.04	2,374.64	7.61	9.51	-74.50	137.81	92.74	153.91	137.37	16.54	9.305	
2,500.00	2,489.19	2,495.81	2,469.57	8.11	9.76	-69.86	148.85	121.38	158.37	141.48	16.90	9.373	
2,600.00	2,585.19	2,595.76	2,564.67	8.63	10.05	-66.91	159.90	150.07	160.71	143.43	17.29	9.296	
2,700.00	2,680.21	2,695.75	2,659.81	9.15	10.36	-65.39	170.96	178.78	160.82	143.14	17.68	9.095	
2,800.00	2,774.44	2,795.71	2,754.92	9.44	10.69	-65.89	182.02	207.48	159.32	141.35	17.97	8.866	
2,900.00	2,868.63	2,895.66	2,850.03	9.76	11.03	-66.82	193.08	236.17	157.78	139.48	18.30	8.623	
3,000.00	2,962.82	2,995.62	2,945.14	10.10	11.38	-67.77	204.14	264.87	156.29	137.65	18.64	8.386	
3,100.00	3,057.01	3,095.57	3,040.24	10.46	11.76	-68.74	215.19	293.57	154.84	135.86	18.98	8.159	
3,200.00	3,151.20	3,195.53	3,135.35	10.83	12.14	-69.73	226.25	322.26	153.43	134.11	19.32	7.942	
3,300.00	3,245.39	3,295.48	3,230.46	11.21	12.53	-70.73	237.31	350.96	152.07	132.41	19.66	7.736	
3,400.00	3,339.58	3,395.44	3,325.56	11.60	12.93	-71.76	248.36	379.65	150.76	130.76	20.00	7.539	
3,500.00	3,433.77	3,495.39	3,420.67	12.00	13.35	-72.80	259.42	408.35	149.50	129.16	20.33	7.352	
3,600.00	3,527.96	3,595.35	3,515.77	12.41	13.77	-73.85	270.48	437.05	148.28	127.61	20.67	7.174	
3,700.00	3,622.16	3,695.30	3,610.88	12.82	14.19	-74.93	281.53	465.74	147.12	126.12	21.00	7.006	
3,800.00	3,716.35	3,795.26	3,705.99	13.25	14.63	-76.02	292.59	494.44	146.01	124.68	21.33	6.846	
3,900.00	3,810.54	3,895.21	3,801.09	13.68	15.07	-77.13	303.65	523.13	144.96	123.30	21.66	6.694	
4,000.00	3,904.73	3,995.17	3,896.20	14.11	15.51	-78.25	314.71	551.83	143.96	121.98	21.98	6.549	
4,100.00	3,998.92	4,095.12	3,991.31	14.55	15.96	-79.39	325.76	580.53	143.01	120.71	22.31	6.412	
4,200.00	4,093.11	4,195.08	4,086.41	15.00	16.41	-80.54	336.82	609.22	142.13	119.50	22.63	6.280	
4,300.00	4,187.30	4,295.03	4,181.52	15.45	16.87	-81.71	347.88	637.92	141.30	118.34	22.96	6.155	
4,400.00	4,281.49	4,394.99	4,276.63	15.91	17.33	-82.89	358.93	666.61	140.53	117.24	23.29	6.035	
4,500.00	4,375.68	4,494.94	4,371.73	16.37	17.80	-84.08	369.99	695.31	139.82	116.20	23.62	5.919	
4,600.00	4,469.87	4,594.89	4,466.84	16.83	18.26	-85.29	381.05	724.01	139.17	115.21	23.96	5.807	
4,700.00	4,564.06	4,694.85	4,561.95	17.30	18.73	-86.50	392.10	752.70	138.59	114.27	24.32	5.699	
4,800.00	4,658.26	4,794.80	4,657.05	17.77	19.21	-87.73	403.16	781.40	138.07	113.39	24.68	5.594	
4,900.00	4,752.45	4,894.76	4,752.16	18.24	19.68	-88.96	414.22	810.09	137.61	112.55	25.06	5.491	
5,000.00	4,846.64	4,994.71	4,847.27	18.72	20.16	-90.20	425.27	838.79	137.21	111.76	25.45	5.391	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.00	4,940.83	5,094.67	4,942.37	19.20	20.64	-91.45	436.33	867.49	136.88	111.01	25.87	5.292	
5,200.00	5,035.02	5,194.62	5,037.48	19.68	21.12	-92.70	447.39	896.18	136.62	110.31	26.30	5.194	
5,300.00	5,129.21	5,294.58	5,132.59	20.16	21.60	-93.96	458.45	924.88	136.42	109.65	26.76	5.097	
5,400.00	5,223.40	5,394.53	5,227.69	20.64	22.08	-95.22	469.50	953.57	136.29	109.03	27.25	5.001	
5,500.00	5,317.59	5,494.49	5,322.80	21.13	22.57	-96.48	480.56	982.27	136.22	108.45	27.77	4.905	
5,550.91	5,365.55	5,545.38	5,371.22	21.38	22.82	-97.13	486.19	996.88	136.21	108.16	28.05	4.857	
5,600.00	5,411.78	5,594.44	5,417.91	21.62	23.06	-97.75	491.62	1,010.97	136.22	107.90	28.32	4.810	
5,700.00	5,505.97	5,694.40	5,513.01	22.11	23.55	-99.01	502.67	1,039.66	136.28	107.38	28.90	4.716	
5,800.00	5,600.16	5,794.35	5,608.12	22.60	24.03	-100.27	513.73	1,068.36	136.42	106.90	29.52	4.621	
5,900.00	5,694.35	5,894.31	5,703.23	23.09	24.53	-101.53	524.79	1,097.05	136.61	106.44	30.17	4.528	
6,000.00	5,788.55	5,994.26	5,798.33	23.59	25.02	-102.78	535.84	1,125.75	136.88	106.01	30.86	4.435	
6,100.00	5,882.74	6,094.22	5,893.44	24.08	25.51	-104.03	546.90	1,154.45	137.21	105.61	31.59	4.343	
6,200.00	5,976.93	6,194.17	5,988.55	24.58	26.00	-105.27	557.96	1,183.14	137.60	105.24	32.36	4.252	
6,300.00	6,071.12	6,294.13	6,083.65	25.08	26.50	-106.50	569.02	1,211.84	138.06	104.89	33.16	4.163	
6,400.00	6,165.31	6,394.08	6,178.76	25.58	27.00	-107.73	580.07	1,240.53	138.58	104.57	34.01	4.075	
6,500.00	6,259.50	6,494.04	6,273.87	26.08	27.49	-108.94	591.13	1,269.23	139.16	104.27	34.89	3.989	
6,600.00	6,353.69	6,593.99	6,368.97	26.58	27.99	-110.15	602.19	1,297.93	139.81	104.00	35.81	3.904	
6,700.00	6,447.88	6,693.95	6,464.08	27.08	28.49	-111.34	613.24	1,326.62	140.52	103.76	36.76	3.822	
6,800.00	6,542.07	6,793.90	6,559.19	27.58	28.99	-112.52	624.30	1,355.32	141.28	103.54	37.75	3.743	
6,900.00	6,636.26	6,893.10	6,653.65	28.09	29.47	-113.77	635.19	1,383.59	142.21	103.43	38.78	3.667	
7,000.00	6,730.45	6,990.82	6,747.48	28.59	29.98	-115.94	645.00	1,409.03	144.42	104.18	40.24	3.589	
7,100.00	6,824.65	7,088.03	6,841.69	29.10	30.52	-119.15	653.61	1,431.37	148.50	106.26	42.23	3.516	
7,200.00	6,918.84	7,184.51	6,935.94	29.61	31.04	-123.17	661.01	1,450.58	154.90	110.19	44.71	3.464	
7,300.00	7,013.03	7,280.06	7,029.91	30.11	31.54	-127.72	667.21	1,466.67	164.11	116.57	47.54	3.452 SF	
7,400.00	7,107.22	7,374.47	7,123.29	30.62	32.02	-132.48	672.23	1,479.70	176.56	126.05	50.51	3.496	
7,500.00	7,201.41	7,467.58	7,215.76	31.13	32.46	-137.19	676.09	1,489.72	192.54	139.17	53.38	3.607	
7,600.00	7,295.60	7,559.21	7,307.07	31.64	32.87	-141.64	678.83	1,496.84	212.22	156.25	55.97	3.792	
7,700.00	7,390.45	7,649.76	7,397.50	32.16	33.24	-145.69	680.51	1,501.20	234.01	175.92	58.09	4.029	
7,800.00	7,486.35	7,739.62	7,487.34	32.72	33.48	-149.01	681.16	1,502.88	256.47	196.78	59.68	4.297	
7,900.00	7,583.18	7,835.46	7,583.18	33.28	33.52	-151.82	681.17	1,502.91	278.32	217.21	61.12	4.554	
8,000.00	7,680.82	7,933.10	7,680.82	33.82	33.55	-153.95	681.17	1,502.91	297.62	235.31	62.32	4.776	
8,100.00	7,779.15	8,031.43	7,779.15	34.34	33.58	-155.54	681.17	1,502.91	314.09	250.78	63.32	4.961	
8,200.00	7,878.06	8,130.34	7,878.06	34.84	33.61	-156.71	681.17	1,502.91	327.57	263.42	64.15	5.106	
8,300.00	7,977.42	8,229.70	7,977.42	35.31	33.64	-157.54	681.17	1,502.91	337.95	273.08	64.86	5.210	
8,400.00	8,077.11	8,329.39	8,077.11	35.74	33.67	-158.09	681.17	1,502.91	345.15	279.70	65.46	5.273	
8,500.00	8,177.01	8,429.29	8,177.01	36.13	33.70	-158.38	681.17	1,502.91	349.14	283.21	65.93	5.296	
8,600.00	8,277.00	8,529.28	8,277.00	36.25	33.73	-90.21	681.17	1,502.91	350.00	283.92	66.09	5.296	
8,700.00	8,377.00	8,629.28	8,377.00	36.28	33.76	-90.21	681.17	1,502.91	350.00	283.86	66.14	5.292	
8,800.00	8,477.00	8,729.28	8,477.00	36.30	33.79	-90.21	681.17	1,502.91	350.00	283.80	66.20	5.287	
8,900.00	8,577.00	8,829.28	8,577.00	36.33	33.82	-90.21	681.17	1,502.91	350.00	283.74	66.26	5.282	
9,000.00	8,677.00	8,929.28	8,677.00	36.36	33.85	-90.21	681.17	1,502.91	350.00	283.68	66.32	5.277	
9,100.00	8,777.00	9,029.28	8,777.00	36.38	33.88	-90.21	681.17	1,502.91	350.00	283.62	66.38	5.273	
9,200.00	8,877.00	9,129.28	8,877.00	36.41	33.92	-90.21	681.17	1,502.91	350.00	283.56	66.44	5.268	
9,300.00	8,977.00	9,229.28	8,977.00	36.44	33.95	-90.21	681.17	1,502.91	350.00	283.50	66.50	5.263	
9,400.00	9,077.00	9,329.28	9,077.00	36.46	33.98	-90.21	681.17	1,502.91	350.00	283.44	66.56	5.258	
9,500.00	9,177.00	9,429.28	9,177.00	36.49	34.01	-90.21	681.17	1,502.91	350.00	283.38	66.62	5.253	
9,600.00	9,277.00	9,529.28	9,277.00	36.52	34.05	-90.21	681.17	1,502.91	350.00	283.32	66.68	5.249	
9,700.00	9,377.00	9,629.28	9,377.00	36.55	34.08	-90.21	681.17	1,502.91	350.00	283.26	66.75	5.244	
9,800.00	9,477.00	9,729.28	9,477.00	36.57	34.11	-90.21	681.17	1,502.91	350.00	283.19	66.81	5.239	
9,900.00	9,577.00	9,829.28	9,577.00	36.60	34.14	-90.21	681.17	1,502.91	350.00	283.13	66.87	5.234	
10,000.00	9,677.00	9,929.28	9,677.00	36.63	34.17	-90.21	681.17	1,502.91	350.00	283.07	66.93	5.229	
10,100.00	9,777.00	10,030.23	9,777.43	36.66	34.07	-91.66	672.31	1,503.23	349.83	282.42	67.41	5.189	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1+MS					Rule Assigned:				Offset Well Error:	0.50 usft		
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,112.93	9,789.93	10,042.95	9,789.93	36.66	34.05	-92.05	669.95	1,503.31	349.82	282.31	67.51	5.182		
10,200.00	9,877.00	10,125.27	9,869.19	36.69	33.93	-95.64	648.01	1,504.10	350.60	282.53	68.07	5.151		
10,300.00	9,977.00	10,210.34	9,946.93	36.72	33.80	-101.20	613.67	1,505.33	355.60	287.66	67.94	5.234		
10,400.00	10,077.00	10,283.84	10,009.37	36.74	33.68	-107.24	575.01	1,506.71	368.75	302.44	66.31	5.561		
10,500.00	10,177.00	10,350.00	10,060.93	36.77	33.58	-113.35	533.64	1,508.19	393.00	329.67	63.33	6.206		
10,600.00	10,277.00	10,400.00	10,096.54	36.80	33.52	-118.16	498.59	1,509.45	429.35	370.28	59.08	7.268		
10,700.00	10,377.00	10,450.00	10,128.96	36.83	33.46	-122.97	460.56	1,510.81	477.28	422.17	55.11	8.660		
10,800.00	10,477.00	10,478.56	10,145.94	36.86	33.43	-125.66	437.63	1,511.63	534.81	483.64	51.17	10.452		
10,900.00	10,577.00	10,500.00	10,157.93	36.89	33.40	-127.63	419.86	1,512.26	600.51	552.39	48.13	12.477		
11,000.00	10,677.00	10,536.07	10,176.58	36.92	33.37	-130.84	389.01	1,513.37	672.18	625.79	46.39	14.490		
11,100.00	10,777.00	10,550.00	10,183.25	36.95	33.36	-132.03	376.79	1,513.81	748.98	703.98	44.99	16.647		
11,200.00	10,877.00	10,578.47	10,195.96	36.98	33.34	-134.39	351.34	1,514.72	829.36	784.98	44.39	18.686		
11,300.00	10,976.83	10,600.00	10,204.72	36.93	33.33	37.84	331.68	1,515.42	911.12	867.08	44.04	20.688		
11,400.00	11,074.52	10,619.22	10,211.91	36.81	33.32	30.30	313.87	1,516.06	987.77	943.80	43.96	22.468		
11,500.00	11,167.13	10,650.00	10,222.17	36.68	33.31	24.93	284.87	1,517.10	1,057.47	1,013.28	44.19	23.932		
11,600.00	11,251.83	10,671.05	10,228.28	36.55	33.31	21.48	264.75	1,517.82	1,118.80	1,074.25	44.55	25.116		
11,700.00	11,326.05	10,700.00	10,235.47	36.43	33.31	18.99	236.72	1,518.82	1,170.89	1,125.79	45.10	25.962		
11,800.00	11,387.54	10,729.52	10,241.33	36.33	33.32	17.29	207.81	1,519.85	1,212.93	1,167.16	45.77	26.499		
11,900.00	11,434.44	10,750.00	10,244.52	36.27	33.32	16.20	187.59	1,520.58	1,244.44	1,197.95	46.50	26.765		
12,000.00	11,465.31	10,800.00	10,249.25	36.24	33.34	15.42	137.87	1,522.36	1,264.70	1,217.33	47.37	26.700		
12,100.00	11,479.21	10,829.32	10,250.00	36.27	33.37	15.12	108.58	1,523.41	1,273.60	1,225.50	48.11	26.474		
12,200.00	11,480.00	10,901.84	10,250.00	36.33	33.43	15.05	36.08	1,525.08	1,273.67	1,225.06	48.61	26.202		
12,241.97	11,480.00	10,941.81	10,250.00	36.36	33.47	15.04	-3.89	1,525.31	1,273.66	1,224.87	48.79	26.107		
12,300.00	11,480.00	10,999.84	10,250.00	36.41	33.53	15.04	-61.92	1,525.57	1,273.65	1,224.62	49.03	25.977		
12,400.00	11,480.00	11,099.84	10,250.00	36.51	33.65	15.04	-161.92	1,526.01	1,273.65	1,224.15	49.50	25.728		
12,500.00	11,480.00	11,199.84	10,250.00	36.63	33.78	15.04	-261.92	1,526.46	1,273.65	1,223.63	50.02	25.461		
12,600.00	11,480.00	11,299.84	10,250.00	36.76	33.93	15.04	-361.92	1,526.90	1,273.65	1,223.06	50.59	25.178		
12,700.00	11,480.00	11,399.84	10,250.00	36.91	34.09	15.04	-461.92	1,527.35	1,273.65	1,222.46	51.19	24.881		
12,800.00	11,480.00	11,499.84	10,250.00	37.07	34.26	15.04	-561.92	1,527.79	1,273.65	1,221.81	51.84	24.571		
12,900.00	11,480.00	11,599.84	10,250.00	37.25	34.45	15.04	-661.92	1,528.23	1,273.65	1,221.13	52.52	24.251		
13,000.00	11,480.00	11,699.84	10,250.00	37.44	34.65	15.04	-761.92	1,528.68	1,273.64	1,220.40	53.24	23.922		
13,100.00	11,480.00	11,799.84	10,250.00	37.64	34.86	15.04	-861.91	1,529.12	1,273.64	1,219.64	54.00	23.586		
13,200.00	11,480.00	11,899.84	10,250.00	37.86	35.09	15.04	-961.91	1,529.56	1,273.64	1,218.85	54.79	23.245		
13,300.00	11,480.00	11,999.84	10,250.00	38.09	35.33	15.04	-1,061.91	1,530.01	1,273.64	1,218.02	55.62	22.900		
13,400.00	11,480.00	12,099.84	10,250.00	38.33	35.58	15.04	-1,161.91	1,530.45	1,273.64	1,217.17	56.47	22.553		
13,500.00	11,480.00	12,199.84	10,250.00	38.58	35.84	15.04	-1,261.91	1,530.90	1,273.64	1,216.28	57.36	22.205		
13,600.00	11,480.00	12,299.84	10,250.00	38.85	36.11	15.04	-1,361.91	1,531.34	1,273.63	1,215.36	58.27	21.856		
13,700.00	11,480.00	12,399.84	10,250.00	39.13	36.39	15.04	-1,461.91	1,531.78	1,273.63	1,214.42	59.22	21.508		
13,800.00	11,480.00	12,499.84	10,250.00	39.42	36.69	15.04	-1,561.91	1,532.23	1,273.63	1,213.45	60.19	21.162		
13,900.00	11,480.00	12,599.84	10,250.00	39.72	37.00	15.04	-1,661.91	1,532.67	1,273.63	1,212.45	61.18	20.818		
14,000.00	11,480.00	12,699.84	10,250.00	40.03	37.31	15.04	-1,761.91	1,533.12	1,273.63	1,211.43	62.20	20.478		
14,100.00	11,480.00	12,799.84	10,250.00	40.35	37.64	15.04	-1,861.91	1,533.56	1,273.63	1,210.39	63.24	20.141		
14,200.00	11,480.00	12,899.84	10,250.00	40.68	37.98	15.04	-1,961.90	1,534.00	1,273.63	1,209.33	64.30	19.809		
14,300.00	11,480.00	12,999.84	10,250.00	41.03	38.33	15.04	-2,061.90	1,534.45	1,273.62	1,208.25	65.38	19.481		
14,400.00	11,480.00	13,099.84	10,250.00	41.38	38.69	15.04	-2,161.90	1,534.89	1,273.62	1,207.15	66.48	19.159		
14,500.00	11,480.00	13,199.84	10,250.00	41.74	39.06	15.04	-2,261.90	1,535.34	1,273.62	1,206.03	67.60	18.842		
14,600.00	11,480.00	13,299.84	10,250.00	42.11	39.44	15.04	-2,361.90	1,535.78	1,273.62	1,204.89	68.73	18.530		
14,700.00	11,480.00	13,399.84	10,250.00	42.50	39.83	15.04	-2,461.90	1,536.22	1,273.62	1,203.73	69.88	18.224		
14,800.00	11,480.00	13,499.84	10,250.00	42.89	40.23	15.04	-2,561.90	1,536.67	1,273.62	1,202.56	71.05	17.925		
14,900.00	11,480.00	13,599.84	10,250.00	43.29	40.64	15.04	-2,661.90	1,537.11	1,273.62	1,201.38	72.24	17.631		
15,000.00	11,480.00	13,699.84	10,250.00	43.70	41.06	15.04	-2,761.90	1,537.56	1,273.61	1,200.18	73.44	17.343		
15,100.00	11,480.00	13,799.84	10,250.00	44.11	41.49	15.04	-2,861.90	1,538.00	1,273.61	1,198.97	74.65	17.062		

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+IFR1+MS					Rule Assigned:				Offset Well Error:	0.50 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 (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,200.00	11,480.00	13,899.84	10,250.00	44.54	41.93	15.04	-2,961.89	1,538.44	1,273.61	1,197.74	75.87	16.786		
15,300.00	11,480.00	13,999.84	10,250.00	44.97	42.37	15.04	-3,061.89	1,538.89	1,273.61	1,196.50	77.11	16.517		
15,400.00	11,480.00	14,099.84	10,250.00	45.41	42.82	15.04	-3,161.89	1,539.33	1,273.61	1,195.25	78.36	16.254		
15,500.00	11,480.00	14,199.84	10,250.00	45.86	43.28	15.04	-3,261.89	1,539.78	1,273.61	1,193.99	79.62	15.997		
15,600.00	11,480.00	14,299.84	10,250.00	46.32	43.75	15.04	-3,361.89	1,540.22	1,273.60	1,192.72	80.89	15.745		
15,700.00	11,480.00	14,399.84	10,250.00	46.79	44.23	15.04	-3,461.89	1,540.66	1,273.60	1,191.43	82.17	15.500		
15,800.00	11,480.00	14,499.84	10,250.00	47.26	44.72	15.04	-3,561.89	1,541.11	1,273.60	1,190.14	83.46	15.260		
15,900.00	11,480.00	14,599.84	10,250.00	47.74	45.21	15.04	-3,661.89	1,541.55	1,273.60	1,188.84	84.76	15.026		
16,000.00	11,480.00	14,699.84	10,250.00	48.22	45.71	15.04	-3,761.89	1,542.00	1,273.60	1,187.53	86.07	14.798		
16,100.00	11,480.00	14,799.84	10,250.00	48.72	46.21	15.03	-3,861.89	1,542.44	1,273.60	1,186.21	87.39	14.574		
16,200.00	11,480.00	14,899.84	10,250.00	49.22	46.73	15.03	-3,961.88	1,542.88	1,273.60	1,184.88	88.71	14.357		
16,300.00	11,480.00	14,999.84	10,250.00	49.72	47.25	15.03	-4,061.88	1,543.33	1,273.59	1,183.55	90.04	14.144		
16,400.00	11,480.00	15,099.84	10,250.00	50.23	47.77	15.03	-4,161.88	1,543.77	1,273.59	1,182.21	91.38	13.937		
16,500.00	11,480.00	15,199.84	10,250.00	50.75	48.31	15.03	-4,261.88	1,544.22	1,273.59	1,180.86	92.73	13.734		
16,600.00	11,480.00	15,299.84	10,250.00	51.27	48.85	15.03	-4,361.88	1,544.66	1,273.59	1,179.50	94.09	13.536		
16,700.00	11,480.00	15,399.84	10,250.00	51.80	49.39	15.03	-4,461.88	1,545.10	1,273.59	1,178.14	95.45	13.343		
16,800.00	11,480.00	15,499.84	10,250.00	52.34	49.94	15.03	-4,561.88	1,545.55	1,273.59	1,176.77	96.81	13.155		
16,900.00	11,480.00	15,599.84	10,250.00	52.88	50.50	15.03	-4,661.88	1,545.99	1,273.58	1,175.40	98.19	12.971		
17,000.00	11,480.00	15,699.84	10,250.00	53.43	51.06	15.03	-4,761.88	1,546.43	1,273.58	1,174.02	99.57	12.791		
17,100.00	11,480.00	15,799.84	10,250.00	53.98	51.63	15.03	-4,861.88	1,546.88	1,273.58	1,172.63	100.95	12.616		
17,200.00	11,480.00	15,899.84	10,250.00	54.53	52.20	15.03	-4,961.87	1,547.32	1,273.58	1,171.24	102.34	12.445		
17,300.00	11,480.00	15,999.84	10,250.00	55.09	52.78	15.03	-5,061.87	1,547.77	1,273.58	1,169.85	103.73	12.277		
17,400.00	11,480.00	16,099.84	10,250.00	55.66	53.36	15.03	-5,161.87	1,548.21	1,273.58	1,168.44	105.13	12.114		
17,500.00	11,480.00	16,199.84	10,250.00	56.23	53.94	15.03	-5,261.87	1,548.65	1,273.58	1,167.04	106.54	11.954		
17,600.00	11,480.00	16,299.84	10,250.00	56.80	54.54	15.03	-5,361.87	1,549.10	1,273.57	1,165.63	107.95	11.798		
17,700.00	11,480.00	16,399.84	10,250.00	57.38	55.13	15.03	-5,461.87	1,549.54	1,273.57	1,164.21	109.36	11.646		
17,800.00	11,480.00	16,499.84	10,250.00	57.97	55.73	15.03	-5,561.87	1,549.99	1,273.57	1,162.80	110.78	11.497		
17,900.00	11,480.00	16,599.84	10,250.00	58.55	56.34	15.03	-5,661.87	1,550.43	1,273.57	1,161.37	112.20	11.351		
18,000.00	11,480.00	16,699.84	10,250.00	59.15	56.94	15.03	-5,761.87	1,550.87	1,273.57	1,159.95	113.62	11.209		
18,100.00	11,480.00	16,799.84	10,250.00	59.74	57.56	15.03	-5,861.87	1,551.32	1,273.57	1,158.52	115.05	11.070		
18,200.00	11,480.00	16,899.84	10,250.00	60.34	58.17	15.03	-5,961.86	1,551.76	1,273.57	1,157.08	116.48	10.934		
18,300.00	11,480.00	16,999.84	10,250.00	60.94	58.79	15.03	-6,061.86	1,552.21	1,273.56	1,155.65	117.92	10.801		
18,400.00	11,480.00	17,099.84	10,250.00	61.55	59.42	15.03	-6,161.86	1,552.65	1,273.56	1,154.21	119.36	10.670		
18,500.00	11,480.00	17,199.84	10,250.00	62.16	60.04	15.03	-6,261.86	1,553.09	1,273.56	1,152.76	120.80	10.543		
18,600.00	11,480.00	17,299.84	10,250.00	62.77	60.67	15.03	-6,361.86	1,553.54	1,273.56	1,151.32	122.24	10.418		
18,700.00	11,480.00	17,399.84	10,250.00	63.39	61.31	15.03	-6,461.86	1,553.98	1,273.56	1,149.87	123.69	10.296		
18,800.00	11,480.00	17,499.84	10,250.00	64.01	61.94	15.03	-6,561.86	1,554.43	1,273.56	1,148.42	125.14	10.177		
18,900.00	11,480.00	17,599.84	10,250.00	64.63	62.58	15.03	-6,661.86	1,554.87	1,273.55	1,146.96	126.59	10.060		
19,000.00	11,480.00	17,699.84	10,250.00	65.26	63.22	15.03	-6,761.86	1,555.31	1,273.55	1,145.50	128.05	9.946		
19,100.00	11,480.00	17,799.84	10,250.00	65.89	63.87	15.03	-6,861.86	1,555.76	1,273.55	1,144.04	129.51	9.834		
19,200.00	11,480.00	17,899.84	10,250.00	66.52	64.52	15.03	-6,961.85	1,556.20	1,273.55	1,142.58	130.97	9.724		
19,300.00	11,480.00	17,999.84	10,250.00	67.16	65.17	15.03	-7,061.85	1,556.65	1,273.55	1,141.11	132.43	9.616		
19,400.00	11,480.00	18,099.84	10,250.00	67.79	65.82	15.03	-7,161.85	1,557.09	1,273.55	1,139.65	133.90	9.511		
19,500.00	11,480.00	18,199.84	10,250.00	68.43	66.48	15.03	-7,261.85	1,557.53	1,273.55	1,138.18	135.37	9.408		
19,600.00	11,480.00	18,299.84	10,250.00	69.08	67.14	15.03	-7,361.85	1,557.98	1,273.54	1,136.71	136.84	9.307		
19,700.00	11,480.00	18,399.84	10,250.00	69.72	67.80	15.03	-7,461.85	1,558.42	1,273.54	1,135.23	138.31	9.208		
19,800.00	11,480.00	18,499.84	10,250.00	70.37	68.46	15.03	-7,561.85	1,558.87	1,273.54	1,133.75	139.79	9.111		
19,900.00	11,480.00	18,599.84	10,250.00	71.02	69.13	15.03	-7,661.85	1,559.31	1,273.54	1,132.28	141.26	9.015		
20,000.00	11,480.00	18,699.84	10,250.00	71.67	69.80	15.02	-7,761.85	1,559.75	1,273.54	1,130.80	142.74	8.922		
20,100.00	11,480.00	18,799.84	10,250.00	72.33	70.47	15.02	-7,861.85	1,560.20	1,273.54	1,129.31	144.22	8.830		
20,200.00	11,480.00	18,899.84	10,250.00	72.99	71.14	15.02	-7,961.85	1,560.64	1,273.54	1,127.83	145.70	8.741		
20,300.00	11,480.00	18,999.84	10,250.00	73.65	71.81	15.02	-8,061.84	1,561.09	1,273.53	1,126.35	147.19	8.652		

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,400.00	11,480.00	19,099.84	10,250.00	74.31	72.49	15.02	-8,161.84	1,561.53	1,273.53	1,124.86	148.67	8.566	
20,500.00	11,480.00	19,199.84	10,250.00	74.97	73.17	15.02	-8,261.84	1,561.97	1,273.53	1,123.37	150.16	8.481	
20,600.00	11,480.00	19,299.84	10,250.00	75.64	73.85	15.02	-8,361.84	1,562.42	1,273.53	1,121.88	151.65	8.398	
20,700.00	11,480.00	19,399.84	10,250.00	76.31	74.53	15.02	-8,461.84	1,562.86	1,273.53	1,120.39	153.14	8.316	
20,800.00	11,480.00	19,499.84	10,250.00	76.97	75.21	15.02	-8,561.84	1,563.30	1,273.53	1,118.89	154.63	8.236	
20,900.00	11,480.00	19,599.84	10,250.00	77.65	75.90	15.02	-8,661.84	1,563.75	1,273.52	1,117.40	156.13	8.157	
21,000.00	11,480.00	19,699.84	10,250.00	78.32	76.58	15.02	-8,761.84	1,564.19	1,273.52	1,115.90	157.62	8.080	
21,100.00	11,480.00	19,799.84	10,250.00	78.99	77.27	15.02	-8,861.84	1,564.64	1,273.52	1,114.40	159.12	8.004	
21,200.00	11,480.00	19,899.84	10,250.00	79.67	77.96	15.02	-8,961.84	1,565.08	1,273.52	1,112.91	160.61	7.929	
21,300.00	11,480.00	19,999.84	10,250.00	80.35	78.65	15.02	-9,061.83	1,565.52	1,273.52	1,111.40	162.11	7.856	
21,400.00	11,480.00	20,099.84	10,250.00	81.03	79.35	15.02	-9,161.83	1,565.97	1,273.52	1,109.90	163.61	7.784	
21,500.00	11,480.00	20,199.84	10,250.00	81.71	80.04	15.02	-9,261.83	1,566.41	1,273.52	1,108.40	165.12	7.713	
21,600.00	11,480.00	20,299.84	10,250.00	82.39	80.74	15.02	-9,361.83	1,566.86	1,273.51	1,106.90	166.62	7.643	
21,700.00	11,480.00	20,399.84	10,250.00	83.08	81.44	15.02	-9,461.83	1,567.30	1,273.51	1,105.39	168.12	7.575	
21,800.00	11,480.00	20,499.84	10,250.00	83.77	82.13	15.02	-9,561.83	1,567.74	1,273.51	1,103.88	169.63	7.508	
21,900.00	11,480.00	20,599.84	10,250.00	84.45	82.83	15.02	-9,661.83	1,568.19	1,273.51	1,102.38	171.13	7.442	
22,000.00	11,480.00	20,699.84	10,250.00	85.14	83.54	15.02	-9,761.83	1,568.63	1,273.51	1,100.87	172.64	7.377	
22,100.00	11,480.00	20,799.84	10,250.00	85.83	84.24	15.02	-9,861.83	1,569.08	1,273.51	1,099.36	174.15	7.313	
22,200.00	11,480.00	20,899.84	10,250.00	86.52	84.94	15.02	-9,961.83	1,569.52	1,273.50	1,097.85	175.66	7.250	
22,300.00	11,480.00	20,999.84	10,250.00	87.22	85.65	15.02	-10,061.82	1,569.96	1,273.50	1,096.34	177.17	7.188	
22,400.00	11,480.00	21,099.84	10,250.00	87.91	86.35	15.02	-10,161.82	1,570.41	1,273.50	1,094.82	178.68	7.127	
22,500.00	11,480.00	21,199.84	10,250.00	88.61	87.06	15.02	-10,261.82	1,570.85	1,273.50	1,093.31	180.19	7.068	
22,584.05	11,480.00	21,283.89	10,250.00	89.19	87.65	15.02	-10,345.87	1,571.23	1,273.50	1,092.04	181.46	7.018	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		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	0.50	0.50	-90.00	0.00	-280.00	280.00				
100.00	100.00	100.00	100.00	0.66	0.66	-90.00	0.00	-280.00	280.00	278.68	1.32	212.576	
200.00	200.00	200.00	200.00	1.35	1.35	-90.00	0.00	-280.00	280.00	277.30	2.70	103.811	
300.00	300.00	300.00	300.00	1.82	1.82	-90.00	0.00	-280.00	280.00	276.37	3.63	77.047	
400.00	400.00	400.00	400.00	2.19	2.19	-90.00	0.00	-280.00	280.00	275.62	4.38	63.914	
500.00	500.00	500.00	500.00	2.51	2.51	-90.00	0.00	-280.00	280.00	274.98	5.02	55.743	
600.00	600.00	600.00	600.00	2.80	2.80	-90.00	0.00	-280.00	280.00	274.40	5.60	50.030	
700.00	700.00	700.00	700.00	3.06	3.06	-90.00	0.00	-280.00	280.00	273.88	6.12	45.743	
800.00	800.00	800.00	800.00	3.30	3.30	-90.00	0.00	-280.00	280.00	273.39	6.61	42.373	
900.00	900.00	900.00	900.00	3.53	3.53	-90.00	0.00	-280.00	280.00	272.93	7.07	39.631	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-90.00	0.00	-280.00	280.00	272.50	7.50	37.343	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-90.00	0.00	-280.00	280.00	272.09	7.91	35.395	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-90.00	0.00	-280.00	280.00	271.69	8.31	33.710	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	-90.00	0.00	-280.00	280.00	271.31	8.69	32.234	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	-90.00	0.00	-280.00	280.00	270.95	9.05	30.926	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	-90.00	0.00	-280.00	280.00	270.59	9.41	29.756 CC	
1,600.00	1,599.98	1,603.57	1,603.55	4.91	5.08	120.67	1.74	-279.32	280.23	270.48	9.76	28.722 ES	
1,700.00	1,699.84	1,706.50	1,706.32	5.54	5.74	122.66	6.93	-277.30	281.16	270.90	10.26	27.400	
1,800.00	1,799.49	1,808.28	1,807.69	5.70	6.35	137.24	15.44	-273.99	283.51	272.95	10.57	26.832	
1,900.00	1,899.08	1,909.20	1,907.81	5.92	6.90	161.59	27.19	-269.41	288.35	277.40	10.95	26.334	
2,000.00	1,998.51	2,008.40	2,005.82	6.34	7.11	-179.60	41.43	-263.87	295.98	284.69	11.29	26.209	
2,100.00	2,097.67	2,106.85	2,103.05	6.73	7.33	-166.37	55.87	-258.24	306.66	294.83	11.82	25.937	
2,200.00	2,196.44	2,205.38	2,200.35	7.02	7.58	-157.13	70.32	-252.62	320.00	307.56	12.44	25.721	
2,300.00	2,294.70	2,303.86	2,297.61	7.24	7.85	-150.59	84.76	-246.99	335.66	322.61	13.06	25.706	
2,400.00	2,392.32	2,402.18	2,394.70	7.61	8.12	-145.94	99.18	-241.38	353.41	339.76	13.65	25.886	
2,500.00	2,489.19	2,500.21	2,491.50	8.11	8.42	-142.67	113.55	-235.78	373.11	358.87	14.23	26.212	
2,600.00	2,585.19	2,597.83	2,587.91	8.63	8.72	-140.42	127.87	-230.20	394.69	379.88	14.81	26.651	
2,700.00	2,680.21	2,694.93	2,683.80	9.15	9.03	-138.96	142.11	-224.66	418.18	402.79	15.39	27.176	
2,800.00	2,774.44	2,791.58	2,779.24	9.44	9.35	-139.31	156.28	-219.14	443.09	427.28	15.81	28.027	
2,900.00	2,868.63	2,888.20	2,874.66	9.76	9.68	-140.08	170.45	-213.62	468.16	451.89	16.27	28.776	
3,000.00	2,962.82	2,984.83	2,970.08	10.10	10.02	-140.77	184.62	-208.10	493.30	476.55	16.75	29.458	
3,100.00	3,057.01	3,081.45	3,065.50	10.46	10.36	-141.40	198.79	-202.58	518.50	501.26	17.24	30.084	
3,200.00	3,151.20	3,178.08	3,160.92	10.83	10.71	-141.96	212.96	-197.06	543.75	526.01	17.74	30.658	
3,300.00	3,245.39	3,274.70	3,256.35	11.21	11.06	-142.48	227.13	-191.55	569.04	550.80	18.25	31.186	
3,400.00	3,339.58	3,371.33	3,351.77	11.60	11.42	-142.96	241.30	-186.03	594.38	575.61	18.77	31.671	
3,500.00	3,433.77	3,467.95	3,447.19	12.00	11.79	-143.39	255.47	-180.51	619.75	600.46	19.30	32.117	
3,600.00	3,527.96	3,564.58	3,542.61	12.41	12.16	-143.79	269.64	-174.99	645.16	625.32	19.83	32.527	
3,700.00	3,622.16	3,661.20	3,638.03	12.82	12.53	-144.16	283.81	-169.47	670.59	650.21	20.38	32.904	
3,800.00	3,716.35	3,757.83	3,733.45	13.25	12.91	-144.50	297.98	-163.95	696.04	675.11	20.93	33.252	
3,900.00	3,810.54	3,854.45	3,828.87	13.68	13.29	-144.82	312.15	-158.44	721.52	700.02	21.49	33.573	
4,000.00	3,904.73	3,951.08	3,924.29	14.11	13.67	-145.12	326.32	-152.92	747.01	724.96	22.06	33.869	
4,100.00	3,998.92	4,047.70	4,019.71	14.55	14.06	-145.40	340.49	-147.40	772.52	749.90	22.63	34.143	
4,200.00	4,093.11	4,144.33	4,115.13	15.00	14.45	-145.66	354.66	-141.88	798.05	774.85	23.20	34.396	
4,300.00	4,187.30	4,240.95	4,210.55	15.45	14.84	-145.90	368.83	-136.36	823.60	799.81	23.78	34.631	
4,400.00	4,281.49	4,337.58	4,305.98	15.91	15.23	-146.13	383.00	-130.85	849.15	824.79	24.37	34.848	
4,500.00	4,375.68	4,434.20	4,401.40	16.37	15.63	-146.35	397.17	-125.33	874.72	849.77	24.96	35.050	
4,600.00	4,469.87	4,530.83	4,496.82	16.83	16.03	-146.55	411.34	-119.81	900.30	874.75	25.55	35.238	
4,700.00	4,564.06	4,627.45	4,592.24	17.30	16.42	-146.74	425.51	-114.29	925.89	899.75	26.15	35.413	
4,800.00	4,658.26	4,724.08	4,687.66	17.77	16.82	-146.92	439.68	-108.77	951.49	924.74	26.74	35.576	
4,900.00	4,752.45	4,820.70	4,783.08	18.24	17.23	-147.10	453.85	-103.25	977.10	949.75	27.35	35.729	
5,000.00	4,846.64	4,917.33	4,878.50	18.72	17.63	-147.26	468.02	-97.74	1,002.71	974.76	27.95	35.871	
5,100.00	4,940.83	5,013.95	4,973.92	19.20	18.03	-147.42	482.19	-92.22	1,028.33	999.77	28.56	36.003	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,035.02	5,110.58	5,069.34	19.68	18.44	-147.56	496.36	-86.70	1,053.96	1,024.79	29.17	36.128	
5,300.00	5,129.21	5,207.20	5,164.76	20.16	18.85	-147.70	510.53	-81.18	1,079.60	1,049.81	29.79	36.244	
5,400.00	5,223.40	5,303.83	5,260.19	20.64	19.26	-147.84	524.69	-75.66	1,105.24	1,074.84	30.40	36.354	
5,500.00	5,317.59	5,400.45	5,355.61	21.13	19.67	-147.97	538.86	-70.14	1,130.89	1,099.87	31.02	36.456	
5,600.00	5,411.78	5,497.08	5,451.03	21.62	20.08	-148.09	553.03	-64.63	1,156.54	1,124.90	31.64	36.552	
5,700.00	5,505.97	5,593.70	5,546.45	22.11	20.49	-148.21	567.20	-59.11	1,182.20	1,149.93	32.26	36.643	
5,800.00	5,600.16	5,690.33	5,641.87	22.60	20.90	-148.32	581.37	-53.59	1,207.86	1,174.97	32.89	36.728	
5,900.00	5,694.35	5,786.95	5,737.29	23.09	21.31	-148.43	595.54	-48.07	1,233.52	1,200.01	33.51	36.809	
6,000.00	5,788.55	5,883.58	5,832.71	23.59	21.72	-148.53	609.71	-42.55	1,259.19	1,225.05	34.14	36.884	
6,100.00	5,882.74	5,980.20	5,928.13	24.08	22.14	-148.63	623.88	-37.03	1,284.86	1,250.10	34.77	36.956	
6,200.00	5,976.93	6,076.83	6,023.55	24.58	22.55	-148.73	638.05	-31.52	1,310.54	1,275.14	35.40	37.022	
6,300.00	6,071.12	6,166.66	6,112.37	25.08	22.96	-148.84	650.57	-26.64	1,336.40	1,300.40	36.00	37.121	
6,400.00	6,165.31	6,253.51	6,198.59	25.58	23.37	-149.06	660.30	-22.85	1,362.92	1,326.30	36.61	37.225	
6,500.00	6,259.50	6,339.66	6,284.39	26.08	23.79	-149.37	667.55	-20.03	1,390.14	1,352.90	37.24	37.327	
6,600.00	6,353.69	6,424.97	6,369.53	26.58	24.17	-149.78	672.35	-18.16	1,418.12	1,380.23	37.89	37.430	
6,700.00	6,447.88	6,509.29	6,453.81	27.08	24.49	-150.27	674.77	-17.22	1,446.88	1,408.34	38.54	37.545	
6,800.00	6,542.07	6,597.55	6,542.07	27.58	24.59	-150.85	675.12	-17.08	1,476.43	1,437.25	39.18	37.685	
6,900.00	6,636.26	6,691.74	6,636.26	28.09	24.63	-151.47	675.12	-17.08	1,506.24	1,466.37	39.87	37.775	
7,000.00	6,730.45	6,785.93	6,730.45	28.59	24.67	-152.06	675.12	-17.08	1,536.21	1,495.64	40.57	37.862	
7,100.00	6,824.65	6,880.12	6,824.65	29.10	24.72	-152.62	675.12	-17.08	1,566.33	1,525.06	41.27	37.952	
7,200.00	6,918.84	6,974.31	6,918.84	29.61	24.76	-153.17	675.12	-17.08	1,596.58	1,554.62	41.97	38.044	
7,300.00	7,013.03	7,068.51	7,013.03	30.11	24.80	-153.70	675.12	-17.08	1,626.97	1,584.31	42.66	38.139	
7,400.00	7,107.22	7,162.70	7,107.22	30.62	24.85	-154.21	675.12	-17.08	1,657.48	1,614.13	43.35	38.236	
7,500.00	7,201.41	7,256.89	7,201.41	31.13	24.89	-154.70	675.12	-17.08	1,688.11	1,644.07	44.04	38.335	
7,600.00	7,295.60	7,351.08	7,295.60	31.64	24.94	-155.20	675.12	-17.08	1,718.83	1,674.12	44.72	38.438	
7,700.00	7,390.45	7,445.93	7,390.45	32.16	24.98	-155.88	675.12	-17.08	1,747.91	1,702.51	45.40	38.499	
7,800.00	7,486.35	7,541.83	7,486.35	32.72	25.03	-156.47	675.12	-17.08	1,774.00	1,727.89	46.11	38.474	
7,900.00	7,583.18	7,638.66	7,583.18	33.28	25.07	-156.97	675.12	-17.08	1,797.05	1,750.25	46.79	38.406	
8,000.00	7,680.82	7,736.30	7,680.82	33.82	25.12	-157.39	675.12	-17.08	1,817.00	1,769.56	47.45	38.297	
8,100.00	7,779.15	7,834.63	7,779.15	34.34	25.17	-157.74	675.12	-17.08	1,833.82	1,785.75	48.07	38.149	
8,200.00	7,878.06	7,933.54	7,878.06	34.84	25.22	-158.01	675.12	-17.08	1,847.47	1,798.81	48.66	37.966	
8,300.00	7,977.42	8,032.90	7,977.42	35.31	25.27	-158.22	675.12	-17.08	1,857.92	1,808.71	49.21	37.752	
8,400.00	8,077.11	8,132.59	8,077.11	35.74	25.31	-158.36	675.12	-17.08	1,865.15	1,815.43	49.72	37.512	
8,500.00	8,177.01	8,232.49	8,177.01	36.13	25.36	-158.44	675.12	-17.08	1,869.14	1,818.97	50.17	37.257	
8,600.00	8,277.00	8,332.48	8,277.00	36.25	25.41	-90.22	675.12	-17.08	1,870.00	1,819.65	50.36	37.133	
8,700.00	8,377.00	8,432.48	8,377.00	36.28	25.46	-90.22	675.12	-17.08	1,870.00	1,819.55	50.46	37.060	
8,800.00	8,477.00	8,532.48	8,477.00	36.30	25.51	-90.22	675.12	-17.08	1,870.00	1,819.44	50.56	36.985	
8,900.00	8,577.00	8,632.48	8,577.00	36.33	25.56	-90.22	675.12	-17.08	1,870.00	1,819.34	50.66	36.910	
9,000.00	8,677.00	8,732.48	8,677.00	36.36	25.61	-90.22	675.12	-17.08	1,870.00	1,819.24	50.77	36.834	
9,100.00	8,777.00	8,832.48	8,777.00	36.38	25.66	-90.22	675.12	-17.08	1,870.00	1,819.13	50.87	36.760	
9,200.00	8,877.00	8,932.48	8,877.00	36.41	25.71	-90.22	675.12	-17.08	1,870.00	1,819.03	50.97	36.685	
9,300.00	8,977.00	9,032.48	8,977.00	36.44	25.76	-90.22	675.12	-17.08	1,870.00	1,818.93	51.08	36.610	
9,400.00	9,077.00	9,132.48	9,077.00	36.46	25.81	-90.22	675.12	-17.08	1,870.00	1,818.82	51.18	36.536	
9,500.00	9,177.00	9,232.48	9,177.00	36.49	25.86	-90.22	675.12	-17.08	1,870.00	1,818.72	51.29	36.462	
9,600.00	9,277.00	9,332.48	9,277.00	36.52	25.91	-90.22	675.12	-17.08	1,870.00	1,818.61	51.39	36.387	
9,700.00	9,377.00	9,432.48	9,377.00	36.55	25.96	-90.22	675.12	-17.08	1,870.00	1,818.51	51.50	36.313	
9,800.00	9,477.00	9,532.48	9,477.00	36.57	26.01	-90.22	675.12	-17.08	1,870.00	1,818.40	51.60	36.240	
9,900.00	9,577.00	9,632.48	9,577.00	36.60	26.07	-90.22	675.12	-17.08	1,870.00	1,818.30	51.71	36.166	
10,000.00	9,677.00	9,732.48	9,677.00	36.63	26.12	-90.22	675.12	-17.08	1,870.00	1,818.19	51.81	36.092	
10,100.00	9,777.00	9,832.48	9,777.00	36.66	26.17	-90.22	675.12	-17.08	1,870.00	1,818.09	51.92	36.019	
10,200.00	9,877.00	9,932.48	9,877.00	36.69	26.22	-90.22	675.12	-17.08	1,870.00	1,817.98	52.02	35.946	
10,300.00	9,977.00	10,032.48	9,977.00	36.72	26.27	-90.22	675.12	-17.08	1,870.00	1,817.88	52.13	35.873	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	0.50 usft
Reference												Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,400.00	10,077.00	10,132.48	10,077.00	36.74	26.32	-90.22	675.12	-17.08	1,870.00	1,817.77	52.24	35.800	
10,500.00	10,177.00	10,232.48	10,177.00	36.77	26.38	-90.22	675.12	-17.08	1,870.00	1,817.66	52.34	35.727	
10,600.00	10,277.00	10,332.48	10,277.00	36.80	26.43	-90.22	675.12	-17.08	1,870.00	1,817.56	52.45	35.654	
10,700.00	10,377.00	10,432.48	10,377.00	36.83	26.48	-90.22	675.12	-17.08	1,870.00	1,817.45	52.56	35.582	
10,800.00	10,477.00	10,532.48	10,477.00	36.86	26.53	-90.22	675.12	-17.08	1,870.00	1,817.34	52.66	35.509	
10,900.00	10,577.00	10,632.48	10,577.00	36.89	26.59	-90.22	675.12	-17.08	1,870.00	1,817.24	52.77	35.437	
11,000.00	10,677.00	10,732.48	10,677.00	36.92	26.64	-90.22	675.12	-17.08	1,870.00	1,817.13	52.88	35.365	
11,100.00	10,777.00	10,832.48	10,777.00	36.95	26.69	-90.22	675.12	-17.08	1,870.00	1,817.02	52.98	35.293	
11,200.00	10,877.00	10,932.48	10,877.00	36.98	26.74	-90.22	675.12	-17.08	1,870.00	1,816.92	53.09	35.226	
11,300.00	10,976.83	11,032.59	10,976.93	36.93	26.69	90.03	670.84	-17.06	1,870.00	1,816.91	53.09	35.221	
11,400.00	11,074.52	11,132.73	11,074.76	36.81	26.59	90.02	650.02	-16.97	1,870.00	1,816.99	53.02	35.273	
11,500.00	11,167.13	11,232.87	11,167.47	36.68	26.45	90.02	612.51	-16.81	1,870.00	1,817.11	52.90	35.353	
11,600.00	11,251.83	11,333.00	11,252.24	36.55	26.29	90.02	559.46	-16.57	1,870.00	1,817.26	52.75	35.453	
11,700.00	11,326.05	11,433.11	11,326.48	36.43	26.11	90.02	492.49	-16.28	1,870.00	1,817.42	52.58	35.563	
11,800.00	11,387.54	11,533.20	11,387.93	36.33	25.94	90.01	413.65	-15.93	1,870.00	1,817.58	52.43	35.670	
11,900.00	11,434.44	11,633.27	11,434.74	36.27	25.79	90.01	325.35	-15.55	1,870.00	1,817.71	52.29	35.762	
12,000.00	11,465.31	11,733.31	11,465.49	36.24	25.69	90.01	230.28	-15.13	1,870.00	1,817.81	52.20	35.827	
12,100.00	11,479.21	11,833.34	11,479.26	36.27	25.65	90.00	131.34	-14.70	1,870.00	1,817.85	52.15	35.858	
12,200.00	11,480.00	11,933.34	11,480.00	36.33	25.67	90.00	31.35	-14.26	1,870.00	1,817.84	52.17	35.848	
12,300.00	11,480.00	12,033.34	11,480.00	36.41	25.69	90.00	-68.65	-13.82	1,870.00	1,817.76	52.24	35.794	
12,400.00	11,480.00	12,133.34	11,480.00	36.51	25.72	90.00	-168.65	-13.38	1,870.00	1,817.62	52.38	35.701	
12,500.00	11,480.00	12,233.34	11,480.00	36.63	25.75	90.00	-268.65	-12.94	1,870.00	1,817.44	52.57	35.574	
12,600.00	11,480.00	12,333.34	11,480.00	36.76	25.79	90.00	-368.65	-12.51	1,870.00	1,817.20	52.80	35.415	
12,700.00	11,480.00	12,433.34	11,480.00	36.91	25.83	90.00	-468.64	-12.07	1,870.00	1,816.92	53.09	35.224	
12,800.00	11,480.00	12,533.34	11,480.00	37.07	25.87	90.00	-568.64	-11.63	1,870.00	1,816.58	53.42	35.004	
12,900.00	11,480.00	12,633.34	11,480.00	37.25	25.93	90.00	-668.64	-11.19	1,870.00	1,816.20	53.80	34.757	
13,000.00	11,480.00	12,733.34	11,480.00	37.44	25.99	90.00	-768.64	-10.75	1,870.00	1,815.78	54.23	34.484	
13,100.00	11,480.00	12,833.34	11,480.00	37.64	26.05	90.00	-868.64	-10.32	1,870.00	1,815.31	54.70	34.188	
13,200.00	11,480.00	12,933.34	11,480.00	37.86	26.13	90.00	-968.64	-9.88	1,870.00	1,814.79	55.21	33.871	
13,300.00	11,480.00	13,033.34	11,480.00	38.09	26.21	90.00	-1,068.64	-9.44	1,870.00	1,814.24	55.76	33.536	
13,400.00	11,480.00	13,133.34	11,480.00	38.33	26.29	90.00	-1,168.64	-9.00	1,870.00	1,813.65	56.35	33.185	
13,500.00	11,480.00	13,233.34	11,480.00	38.58	26.39	90.00	-1,268.64	-8.56	1,870.00	1,813.02	56.98	32.819	
13,600.00	11,480.00	13,333.34	11,480.00	38.85	26.50	90.00	-1,368.64	-8.12	1,870.00	1,812.36	57.64	32.442	
13,700.00	11,480.00	13,433.34	11,480.00	39.13	26.62	90.00	-1,468.64	-7.69	1,870.00	1,811.66	58.34	32.054	
13,800.00	11,480.00	13,533.34	11,480.00	39.42	26.75	90.00	-1,568.63	-7.25	1,870.00	1,810.93	59.07	31.658	
13,900.00	11,480.00	13,633.34	11,480.00	39.72	26.90	90.00	-1,668.63	-6.81	1,870.00	1,810.17	59.83	31.255	
14,000.00	11,480.00	13,733.34	11,480.00	40.03	27.06	90.00	-1,768.63	-6.37	1,870.00	1,809.38	60.62	30.848	
14,100.00	11,480.00	13,833.34	11,480.00	40.35	27.24	90.00	-1,868.63	-5.93	1,870.00	1,808.56	61.44	30.436	
14,200.00	11,480.00	13,933.34	11,480.00	40.68	27.44	90.00	-1,968.63	-5.50	1,870.00	1,807.72	62.29	30.023	
14,300.00	11,480.00	14,033.34	11,480.00	41.03	27.66	90.00	-2,068.63	-5.06	1,870.00	1,806.85	63.16	29.609	
14,400.00	11,480.00	14,133.34	11,480.00	41.38	27.90	90.00	-2,168.63	-4.62	1,870.00	1,805.95	64.05	29.195	
14,500.00	11,480.00	14,233.34	11,480.00	41.74	28.17	90.00	-2,268.63	-4.18	1,870.00	1,805.03	64.97	28.782	
14,600.00	11,480.00	14,333.34	11,480.00	42.11	28.47	90.00	-2,368.63	-3.74	1,870.00	1,804.09	65.91	28.371	
14,700.00	11,480.00	14,433.34	11,480.00	42.50	28.79	90.00	-2,468.63	-3.31	1,870.00	1,803.13	66.88	27.962	
14,800.00	11,480.00	14,533.34	11,480.00	42.89	29.14	90.00	-2,568.62	-2.87	1,870.00	1,802.14	67.86	27.557	
14,900.00	11,480.00	14,633.34	11,480.00	43.29	29.52	90.00	-2,668.62	-2.43	1,870.00	1,801.14	68.86	27.156	
15,000.00	11,480.00	14,733.34	11,480.00	43.70	29.93	90.00	-2,768.62	-1.99	1,870.00	1,800.12	69.88	26.759	
15,100.00	11,480.00	14,833.34	11,480.00	44.11	30.37	90.00	-2,868.62	-1.55	1,870.00	1,799.08	70.92	26.367	
15,200.00	11,480.00	14,933.34	11,480.00	44.54	30.83	90.00	-2,968.62	-1.11	1,870.00	1,798.03	71.98	25.981	
15,300.00	11,480.00	15,033.34	11,480.00	44.97	31.31	90.00	-3,068.62	-0.68	1,870.00	1,796.95	73.05	25.600	
15,400.00	11,480.00	15,133.34	11,480.00	45.41	31.82	90.00	-3,168.62	-0.24	1,870.00	1,795.87	74.14	25.224	
15,500.00	11,480.00	15,233.34	11,480.00	45.86	32.35	90.00	-3,268.62	0.20	1,870.00	1,794.77	75.24	24.855	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft	
Survey Program: 0-MWD+IFR1+MS				Offset					Rule Assigned:				Offset Well Error: 0.50 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,600.00	11,480.00	15,333.34	11,480.00	46.32	32.89	90.00	-3,368.62	0.64	1,870.00	1,793.65	76.35	24.491		
15,700.00	11,480.00	15,433.34	11,480.00	46.79	33.46	90.00	-3,468.62	1.08	1,870.00	1,792.52	77.48	24.134		
15,800.00	11,480.00	15,533.34	11,480.00	47.26	34.03	90.00	-3,568.62	1.51	1,870.00	1,791.38	78.63	23.784		
15,900.00	11,480.00	15,633.34	11,480.00	47.74	34.63	90.00	-3,668.61	1.95	1,870.00	1,790.22	79.78	23.439		
16,000.00	11,480.00	15,733.34	11,480.00	48.22	35.23	90.00	-3,768.61	2.39	1,870.00	1,789.05	80.95	23.101		
16,100.00	11,480.00	15,833.34	11,480.00	48.72	35.84	90.00	-3,868.61	2.83	1,870.00	1,787.88	82.13	22.770		
16,200.00	11,480.00	15,933.34	11,480.00	49.22	36.47	90.00	-3,968.61	3.27	1,870.00	1,786.69	83.32	22.445		
16,300.00	11,480.00	16,033.34	11,480.00	49.72	37.10	90.00	-4,068.61	3.71	1,870.00	1,785.49	84.52	22.126		
16,400.00	11,480.00	16,133.34	11,480.00	50.23	37.74	90.00	-4,168.61	4.14	1,870.00	1,784.28	85.73	21.814		
16,500.00	11,480.00	16,233.34	11,480.00	50.75	38.39	90.00	-4,268.61	4.58	1,870.00	1,783.06	86.95	21.508		
16,600.00	11,480.00	16,333.34	11,480.00	51.27	39.04	90.00	-4,368.61	5.02	1,870.00	1,781.83	88.17	21.208		
16,700.00	11,480.00	16,433.34	11,480.00	51.80	39.71	90.00	-4,468.61	5.46	1,870.00	1,780.59	89.41	20.914		
16,800.00	11,480.00	16,533.34	11,480.00	52.34	40.37	90.00	-4,568.61	5.90	1,870.00	1,779.34	90.66	20.627		
16,900.00	11,480.00	16,633.34	11,480.00	52.88	41.05	90.00	-4,668.60	6.33	1,870.00	1,778.09	91.91	20.345		
17,000.00	11,480.00	16,733.34	11,480.00	53.43	41.72	90.00	-4,768.60	6.77	1,870.00	1,776.82	93.18	20.069		
17,100.00	11,480.00	16,833.34	11,480.00	53.98	42.40	90.00	-4,868.60	7.21	1,870.00	1,775.55	94.45	19.799		
17,200.00	11,480.00	16,933.34	11,480.00	54.53	43.09	90.00	-4,968.60	7.65	1,870.00	1,774.28	95.73	19.535		
17,300.00	11,480.00	17,033.34	11,480.00	55.09	43.78	90.00	-5,068.60	8.09	1,870.00	1,772.99	97.01	19.276		
17,400.00	11,480.00	17,133.34	11,480.00	55.66	44.47	90.00	-5,168.60	8.53	1,870.00	1,771.70	98.30	19.023		
17,500.00	11,480.00	17,233.34	11,480.00	56.23	45.17	90.00	-5,268.60	8.96	1,870.00	1,770.40	99.60	18.775		
17,600.00	11,480.00	17,333.34	11,480.00	56.80	45.87	90.00	-5,368.60	9.40	1,870.00	1,769.09	100.91	18.532		
17,700.00	11,480.00	17,433.34	11,480.00	57.38	46.57	90.00	-5,468.60	9.84	1,870.00	1,767.78	102.22	18.294		
17,800.00	11,480.00	17,533.34	11,480.00	57.97	47.27	90.00	-5,568.60	10.28	1,870.00	1,766.47	103.53	18.062		
17,900.00	11,480.00	17,633.34	11,480.00	58.55	47.98	90.00	-5,668.59	10.72	1,870.00	1,765.14	104.86	17.834		
18,000.00	11,480.00	17,733.34	11,480.00	59.15	48.69	90.00	-5,768.59	11.15	1,870.00	1,763.82	106.19	17.611		
18,100.00	11,480.00	17,833.34	11,480.00	59.74	49.40	90.00	-5,868.59	11.59	1,870.00	1,762.48	107.52	17.392		
18,200.00	11,480.00	17,933.34	11,480.00	60.34	50.12	90.00	-5,968.59	12.03	1,870.00	1,761.14	108.86	17.178		
18,300.00	11,480.00	18,033.34	11,480.00	60.94	50.83	90.00	-6,068.59	12.47	1,870.00	1,759.80	110.20	16.969		
18,400.00	11,480.00	18,133.34	11,480.00	61.55	51.55	90.00	-6,168.59	12.91	1,870.00	1,758.45	111.55	16.764		
18,500.00	11,480.00	18,233.34	11,480.00	62.16	52.27	90.00	-6,268.59	13.35	1,870.00	1,757.10	112.90	16.563		
18,600.00	11,480.00	18,333.34	11,480.00	62.77	52.99	90.00	-6,368.59	13.78	1,870.00	1,755.74	114.26	16.366		
18,700.00	11,480.00	18,433.34	11,480.00	63.39	53.72	90.00	-6,468.59	14.22	1,870.00	1,754.38	115.62	16.173		
18,800.00	11,480.00	18,533.34	11,480.00	64.01	54.44	90.00	-6,568.59	14.66	1,870.00	1,753.01	116.99	15.984		
18,900.00	11,480.00	18,633.34	11,480.00	64.63	55.17	90.00	-6,668.59	15.10	1,870.00	1,751.64	118.36	15.799		
19,000.00	11,480.00	18,733.34	11,480.00	65.26	55.89	90.00	-6,768.58	15.54	1,870.00	1,750.27	119.73	15.618		
19,100.00	11,480.00	18,833.34	11,480.00	65.89	56.62	90.00	-6,868.58	15.97	1,870.00	1,748.89	121.11	15.440		
19,200.00	11,480.00	18,933.34	11,480.00	66.52	57.35	90.00	-6,968.58	16.41	1,870.00	1,747.51	122.49	15.266		
19,300.00	11,480.00	19,033.34	11,480.00	67.16	58.08	90.00	-7,068.58	16.85	1,870.00	1,746.12	123.88	15.096		
19,400.00	11,480.00	19,133.34	11,480.00	67.79	58.82	90.00	-7,168.58	17.29	1,870.00	1,744.74	125.27	14.928		
19,500.00	11,480.00	19,233.34	11,480.00	68.43	59.55	90.00	-7,268.58	17.73	1,870.00	1,743.34	126.66	14.764		
19,600.00	11,480.00	19,333.34	11,480.00	69.08	60.28	90.00	-7,368.58	18.17	1,870.00	1,741.95	128.05	14.603		
19,700.00	11,480.00	19,433.34	11,480.00	69.72	61.02	90.00	-7,468.58	18.60	1,870.00	1,740.55	129.45	14.446		
19,800.00	11,480.00	19,533.34	11,480.00	70.37	61.76	90.00	-7,568.58	19.04	1,870.00	1,739.15	130.85	14.291		
19,900.00	11,480.00	19,633.34	11,480.00	71.02	62.49	90.00	-7,668.58	19.48	1,870.00	1,737.75	132.26	14.139		
20,000.00	11,480.00	19,733.34	11,480.00	71.67	63.23	90.00	-7,768.57	19.92	1,870.00	1,736.34	133.66	13.990		
20,100.00	11,480.00	19,833.34	11,480.00	72.33	63.97	90.00	-7,868.57	20.36	1,870.00	1,734.93	135.07	13.844		
20,200.00	11,480.00	19,933.34	11,480.00	72.99	64.71	90.00	-7,968.57	20.79	1,870.00	1,733.52	136.48	13.701		
20,300.00	11,480.00	20,033.34	11,480.00	73.65	65.45	90.00	-8,068.57	21.23	1,870.00	1,732.10	137.90	13.561		
20,400.00	11,480.00	20,133.34	11,480.00	74.31	66.19	90.00	-8,168.57	21.67	1,870.00	1,730.68	139.32	13.423		
20,500.00	11,480.00	20,233.34	11,480.00	74.97	66.93	90.00	-8,268.57	22.11	1,870.00	1,729.26	140.74	13.287		
20,600.00	11,480.00	20,333.34	11,480.00	75.64	67.68	90.00	-8,368.57	22.55	1,870.00	1,727.84	142.16	13.154		
20,700.00	11,480.00	20,433.34	11,480.00	76.31	68.42	90.00	-8,468.57	22.98	1,870.00	1,726.42	143.58	13.024		

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,800.00	11,480.00	20,533.34	11,480.00	76.97	69.16	90.00	-8,568.57	23.42	1,870.00	1,724.99	145.01	12.896	
20,900.00	11,480.00	20,633.34	11,480.00	77.65	69.91	90.00	-8,668.57	23.86	1,870.00	1,723.56	146.44	12.770	
21,000.00	11,480.00	20,733.34	11,480.00	78.32	70.65	90.00	-8,768.57	24.30	1,870.00	1,722.13	147.87	12.646	
21,100.00	11,480.00	20,833.34	11,480.00	78.99	71.40	90.00	-8,868.56	24.74	1,870.00	1,720.69	149.31	12.525	
21,200.00	11,480.00	20,933.34	11,480.00	79.67	72.14	90.00	-8,968.56	25.18	1,870.00	1,719.26	150.74	12.405	
21,300.00	11,480.00	21,033.34	11,480.00	80.35	72.89	90.00	-9,068.56	25.61	1,870.00	1,717.82	152.18	12.288	
21,400.00	11,480.00	21,133.34	11,480.00	81.03	73.64	90.00	-9,168.56	26.05	1,870.00	1,716.38	153.62	12.173	
21,500.00	11,480.00	21,233.34	11,480.00	81.71	74.39	90.00	-9,268.56	26.49	1,870.00	1,714.94	155.06	12.060	
21,600.00	11,480.00	21,333.34	11,480.00	82.39	75.13	90.00	-9,368.56	26.93	1,870.00	1,713.50	156.50	11.949	
21,700.00	11,480.00	21,433.34	11,480.00	83.08	75.88	90.00	-9,468.56	27.37	1,870.00	1,712.05	157.95	11.839	
21,800.00	11,480.00	21,533.34	11,480.00	83.77	76.63	90.00	-9,568.56	27.80	1,870.00	1,710.61	159.39	11.732	
21,900.00	11,480.00	21,633.34	11,480.00	84.45	77.38	90.00	-9,668.56	28.24	1,870.00	1,709.16	160.84	11.626	
22,000.00	11,480.00	21,733.34	11,480.00	85.14	78.13	90.00	-9,768.56	28.68	1,870.00	1,707.71	162.29	11.522	
22,100.00	11,480.00	21,833.34	11,480.00	85.83	78.88	90.00	-9,868.55	29.12	1,870.00	1,706.26	163.74	11.420	
22,200.00	11,480.00	21,933.34	11,480.00	86.52	79.63	90.00	-9,968.55	29.56	1,870.00	1,704.80	165.20	11.320	
22,300.00	11,480.00	22,033.34	11,480.00	87.22	80.38	90.00	-10,068.55	30.00	1,870.00	1,703.35	166.65	11.221	
22,400.00	11,480.00	22,133.34	11,480.00	87.91	81.14	90.00	-10,168.55	30.43	1,870.00	1,701.89	168.11	11.124	
22,500.00	11,480.00	22,233.34	11,480.00	88.61	81.89	90.00	-10,268.55	30.87	1,870.00	1,700.44	169.56	11.028	
22,584.05	11,480.00	22,317.39	11,480.00	89.19	82.52	90.00	-10,352.60	31.24	1,870.00	1,699.21	170.79	10.949 SF	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.50	0.50	-98.13	-40.00	-280.00	282.84				
100.00	100.00	100.00	100.00	0.66	0.66	-98.13	-40.00	-280.00	282.84	281.53	1.32	214.734	
200.00	200.00	200.00	200.00	1.35	1.35	-98.13	-40.00	-280.00	282.84	280.15	2.70	104.865	
300.00	300.00	300.00	300.00	1.82	1.82	-98.13	-40.00	-280.00	282.84	279.21	3.63	77.829	
400.00	400.00	400.00	400.00	2.19	2.19	-98.13	-40.00	-280.00	282.84	278.46	4.38	64.563	
500.00	500.00	500.00	500.00	2.51	2.51	-98.13	-40.00	-280.00	282.84	277.82	5.02	56.309	
600.00	600.00	600.00	600.00	2.80	2.80	-98.13	-40.00	-280.00	282.84	277.25	5.60	50.538	
700.00	700.00	700.00	700.00	3.06	3.06	-98.13	-40.00	-280.00	282.84	276.72	6.12	46.208	
800.00	800.00	800.00	800.00	3.30	3.30	-98.13	-40.00	-280.00	282.84	276.23	6.61	42.803	
900.00	900.00	900.00	900.00	3.53	3.53	-98.13	-40.00	-280.00	282.84	275.78	7.07	40.033	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-98.13	-40.00	-280.00	282.84	275.34	7.50	37.722	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-98.13	-40.00	-280.00	282.84	274.93	7.91	35.754	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-98.13	-40.00	-280.00	282.84	274.54	8.31	34.052	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	-98.13	-40.00	-280.00	282.84	274.16	8.69	32.561	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	-98.13	-40.00	-280.00	282.84	273.79	9.05	31.240	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	-98.13	-40.00	-280.00	282.84	273.43	9.41	30.058	
1,600.00	1,599.98	1,609.59	1,609.57	4.91	5.08	112.44	-38.80	-278.28	281.79	271.93	9.87	28.556	
1,700.00	1,699.84	1,718.70	1,718.49	5.54	5.78	114.17	-35.24	-273.15	278.80	268.14	10.66	26.166	
1,800.00	1,799.49	1,826.94	1,826.23	5.70	6.42	128.33	-29.36	-264.70	274.48	263.24	11.24	24.413	
1,900.00	1,899.08	1,934.65	1,932.98	5.92	7.03	152.13	-21.21	-252.98	270.30	258.37	11.93	22.663	
2,000.00	1,998.51	2,041.90	2,038.68	6.34	7.62	170.56	-10.83	-238.04	266.49	253.89	12.59	21.161	
2,100.00	2,097.67	2,148.70	2,143.17	6.73	8.19	-175.95	1.75	-219.95	263.10	249.79	13.31	19.763	
2,200.00	2,196.44	2,255.04	2,246.33	7.02	8.75	-165.73	16.47	-198.78	260.18	246.10	14.08	18.482	
2,300.00	2,294.70	2,359.80	2,346.96	7.24	9.15	-157.59	33.07	-174.90	257.80	243.09	14.71	17.523	
2,359.02	2,352.40	2,418.33	2,402.98	7.43	9.30	-153.67	42.77	-160.95	257.29	242.25	15.04	17.107 CC	
2,400.00	2,392.32	2,459.04	2,441.94	7.61	9.41	-151.28	49.51	-151.26	257.53	242.25	15.28	16.853 ES	
2,500.00	2,489.19	2,558.56	2,537.18	8.11	9.70	-146.41	65.98	-127.56	259.93	244.06	15.87	16.380	
2,600.00	2,585.19	2,658.22	2,632.56	8.63	10.01	-142.76	82.49	-103.82	264.70	248.23	16.48	16.067	
2,700.00	2,680.21	2,757.91	2,727.96	9.15	10.34	-140.16	98.99	-80.08	271.62	254.50	17.11	15.873	
2,800.00	2,774.44	2,857.55	2,823.32	9.44	10.68	-139.43	115.49	-56.36	280.00	262.39	17.61	15.902	
2,900.00	2,868.63	2,957.18	2,918.67	9.76	11.04	-139.16	131.99	-32.63	288.46	270.31	18.15	15.895	
3,000.00	2,962.82	3,056.81	3,014.01	10.10	11.40	-138.90	148.48	-8.90	296.93	278.22	18.71	15.871	
3,100.00	3,057.01	3,156.45	3,109.36	10.46	11.78	-138.66	164.98	14.83	305.40	286.12	19.28	15.837	
3,200.00	3,151.20	3,256.08	3,204.71	10.83	12.17	-138.43	181.48	38.55	313.88	294.00	19.87	15.795	
3,300.00	3,245.39	3,355.71	3,300.06	11.21	12.56	-138.21	197.97	62.28	322.36	301.89	20.47	15.747	
3,400.00	3,339.58	3,455.34	3,395.41	11.60	12.96	-138.00	214.47	86.01	330.84	309.77	21.08	15.695	
3,500.00	3,433.77	3,554.98	3,490.76	12.00	13.37	-137.80	230.97	109.74	339.34	317.64	21.70	15.639	
3,600.00	3,527.96	3,654.61	3,586.11	12.41	13.79	-137.62	247.46	133.46	347.83	325.51	22.32	15.581	
3,700.00	3,622.16	3,754.24	3,681.46	12.82	14.21	-137.44	263.96	157.19	356.33	333.37	22.96	15.522	
3,800.00	3,716.35	3,853.87	3,776.81	13.25	14.64	-137.27	280.46	180.92	364.83	341.23	23.60	15.461	
3,900.00	3,810.54	3,953.51	3,872.16	13.68	15.07	-137.10	296.95	204.65	373.33	349.09	24.24	15.400	
4,000.00	3,904.73	4,053.14	3,967.51	14.11	15.51	-136.95	313.45	228.37	381.84	356.95	24.89	15.339	
4,100.00	3,998.92	4,152.77	4,062.86	14.55	15.95	-136.80	329.94	252.10	390.35	364.80	25.55	15.278	
4,200.00	4,093.11	4,252.40	4,158.20	15.00	16.39	-136.66	346.44	275.83	398.86	372.65	26.21	15.218	
4,300.00	4,187.30	4,352.03	4,253.55	15.45	16.84	-136.52	362.94	299.56	407.37	380.50	26.87	15.159	
4,400.00	4,281.49	4,451.67	4,348.90	15.91	17.29	-136.39	379.43	323.28	415.89	388.35	27.54	15.100	
4,500.00	4,375.68	4,551.30	4,444.25	16.37	17.75	-136.27	395.93	347.01	424.41	396.20	28.21	15.043	
4,600.00	4,469.87	4,650.93	4,539.60	16.83	18.21	-136.15	412.43	370.74	432.93	404.04	28.89	14.986	
4,700.00	4,564.06	4,750.56	4,634.95	17.30	18.67	-136.03	428.92	394.47	441.45	411.89	29.57	14.931	
4,800.00	4,658.26	4,850.20	4,730.30	17.77	19.13	-135.92	445.42	418.19	449.98	419.73	30.25	14.877	
4,900.00	4,752.45	4,949.83	4,825.65	18.24	19.60	-135.81	461.92	441.92	458.50	427.57	30.93	14.825	
5,000.00	4,846.64	5,049.46	4,921.00	18.72	20.06	-135.71	478.41	465.65	467.03	435.42	31.61	14.773	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Rule Assigned:													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,940.83	5,149.09	5,016.35	19.20	20.53	-135.61	494.91	489.38	475.56	443.26	32.30	14.723	
5,200.00	5,035.02	5,248.73	5,111.70	19.68	21.00	-135.52	511.41	513.10	484.09	451.10	32.99	14.675	
5,300.00	5,129.21	5,348.36	5,207.05	20.16	21.48	-135.42	527.90	536.83	492.62	458.94	33.68	14.627	
5,400.00	5,223.40	5,447.99	5,302.40	20.64	21.95	-135.33	544.40	560.56	501.15	466.78	34.37	14.581	
5,500.00	5,317.59	5,547.62	5,397.74	21.13	22.43	-135.25	560.90	584.29	509.68	474.62	35.06	14.536	
5,600.00	5,411.78	5,647.25	5,493.09	21.62	22.90	-135.16	577.39	608.01	518.22	482.46	35.76	14.492	
5,700.00	5,505.97	5,746.89	5,588.44	22.11	23.38	-135.08	593.89	631.74	526.76	490.30	36.46	14.449	
5,800.00	5,600.16	5,845.11	5,682.45	22.60	23.85	-135.01	610.13	655.11	535.31	498.18	37.14	14.415	
5,900.00	5,694.35	5,935.46	5,769.43	23.09	24.30	-135.11	624.07	675.15	544.96	507.11	37.85	14.399	
6,000.00	5,788.55	6,025.36	5,856.72	23.59	24.79	-135.45	636.38	692.85	556.31	517.65	38.66	14.391	
6,100.00	5,882.74	6,114.67	5,944.04	24.08	25.28	-136.01	647.05	708.20	569.39	529.86	39.54	14.401	
6,200.00	5,976.93	6,200.00	6,027.98	24.58	25.73	-136.74	655.79	720.77	584.29	543.85	40.44	14.448	
6,300.00	6,071.12	6,290.80	6,117.76	25.08	26.20	-137.70	663.52	731.89	601.03	559.57	41.46	14.495	
6,400.00	6,165.31	6,377.33	6,203.68	25.58	26.63	-138.77	669.37	740.30	619.74	577.26	42.48	14.588	
6,500.00	6,259.50	6,462.64	6,288.65	26.08	27.02	-139.96	673.68	746.51	640.50	596.98	43.52	14.717	
6,600.00	6,353.69	6,546.62	6,372.49	26.58	27.38	-141.23	676.52	750.59	663.39	618.83	44.56	14.888	
6,700.00	6,447.88	6,629.17	6,454.99	27.08	27.65	-142.57	677.94	752.63	688.49	642.94	45.55	15.116	
6,800.00	6,542.07	6,716.25	6,542.07	27.58	27.74	-144.03	678.14	752.92	715.69	669.18	46.51	15.388	
6,900.00	6,636.26	6,810.44	6,636.26	28.09	27.77	-145.52	678.14	752.92	743.66	696.12	47.54	15.643	
7,000.00	6,730.45	6,904.64	6,730.45	28.59	27.81	-146.91	678.14	752.92	772.07	723.54	48.53	15.910	
7,100.00	6,824.65	6,998.83	6,824.65	29.10	27.84	-148.20	678.14	752.92	800.89	751.41	49.48	16.186	
7,200.00	6,918.84	7,093.02	6,918.84	29.61	27.88	-149.40	678.14	752.92	830.07	779.67	50.40	16.470	
7,300.00	7,013.03	7,187.21	7,013.03	30.11	27.91	-150.53	678.14	752.92	859.56	808.28	51.29	16.760	
7,400.00	7,107.22	7,281.40	7,107.22	30.62	27.95	-151.58	678.14	752.92	889.35	837.21	52.15	17.055	
7,500.00	7,201.41	7,375.59	7,201.41	31.13	27.98	-152.56	678.14	752.92	919.40	866.42	52.98	17.353	
7,600.00	7,295.60	7,469.78	7,295.60	31.64	28.02	-153.51	678.14	752.92	949.68	895.89	53.79	17.655	
7,700.00	7,390.45	7,564.63	7,390.45	32.16	28.05	-154.59	678.14	752.92	978.43	923.85	54.58	17.927	
7,800.00	7,486.35	7,660.53	7,486.35	32.72	28.09	-155.50	678.14	752.92	1,004.30	948.94	55.36	18.141	
7,900.00	7,583.18	7,757.36	7,583.18	33.28	28.13	-156.26	678.14	752.92	1,027.21	971.12	56.10	18.311	
8,000.00	7,680.82	7,855.00	7,680.82	33.82	28.17	-156.90	678.14	752.92	1,047.09	990.30	56.79	18.438	
8,100.00	7,779.15	7,953.33	7,779.15	34.34	28.20	-157.41	678.14	752.92	1,063.86	1,006.42	57.44	18.523	
8,200.00	7,878.06	8,052.24	7,878.06	34.84	28.24	-157.82	678.14	752.92	1,077.48	1,019.44	58.04	18.566	
8,300.00	7,977.42	8,151.60	7,977.42	35.31	28.28	-158.12	678.14	752.92	1,087.92	1,029.33	58.59	18.569	
8,400.00	8,077.11	8,251.29	8,077.11	35.74	28.32	-158.32	678.14	752.92	1,095.14	1,036.06	59.08	18.535	
8,500.00	8,177.01	8,351.19	8,177.01	36.13	28.36	-158.43	678.14	752.92	1,099.13	1,039.62	59.51	18.470	
8,600.00	8,277.00	8,451.19	8,277.00	36.25	28.40	-90.23	678.14	752.92	1,100.00	1,040.33	59.67	18.434	
8,700.00	8,377.00	8,551.19	8,377.00	36.28	28.44	-90.23	678.14	752.92	1,100.00	1,040.26	59.74	18.414	
8,800.00	8,477.00	8,651.19	8,477.00	36.30	28.48	-90.23	678.14	752.92	1,100.00	1,040.19	59.81	18.392	
8,900.00	8,577.00	8,751.19	8,577.00	36.33	28.52	-90.23	678.14	752.92	1,100.00	1,040.12	59.88	18.370	
9,000.00	8,677.00	8,851.19	8,677.00	36.36	28.56	-90.23	678.14	752.92	1,100.00	1,040.05	59.95	18.349	
9,100.00	8,777.00	8,951.19	8,777.00	36.38	28.60	-90.23	678.14	752.92	1,100.00	1,039.98	60.02	18.327	
9,200.00	8,877.00	9,051.19	8,877.00	36.41	28.64	-90.23	678.14	752.92	1,100.00	1,039.90	60.09	18.305	
9,300.00	8,977.00	9,151.19	8,977.00	36.44	28.68	-90.23	678.14	752.92	1,100.00	1,039.83	60.17	18.283	
9,400.00	9,077.00	9,251.19	9,077.00	36.46	28.73	-90.23	678.14	752.92	1,100.00	1,039.76	60.24	18.261	
9,500.00	9,177.00	9,351.19	9,177.00	36.49	28.77	-90.23	678.14	752.92	1,100.00	1,039.69	60.31	18.239	
9,600.00	9,277.00	9,451.19	9,277.00	36.52	28.81	-90.23	678.14	752.92	1,100.00	1,039.61	60.38	18.217	
9,700.00	9,377.00	9,551.19	9,377.00	36.55	28.85	-90.23	678.14	752.92	1,100.00	1,039.54	60.46	18.194	
9,800.00	9,477.00	9,651.19	9,477.00	36.57	28.89	-90.23	678.14	752.92	1,100.00	1,039.47	60.53	18.172	
9,900.00	9,577.00	9,751.19	9,577.00	36.60	28.93	-90.23	678.14	752.92	1,100.00	1,039.39	60.61	18.150	
10,000.00	9,677.00	9,851.19	9,677.00	36.63	28.98	-90.23	678.14	752.92	1,100.00	1,039.32	60.68	18.128	
10,100.00	9,777.00	9,951.19	9,777.00	36.66	29.02	-90.23	678.14	752.92	1,100.00	1,039.24	60.76	18.105	
10,200.00	9,877.00	10,051.19	9,877.00	36.69	29.06	-90.23	678.14	752.92	1,100.00	1,039.17	60.83	18.083	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IFR1+MS												Offset Well Error:	0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,300.00	9,977.00	10,151.19	9,977.00	36.72	29.10	-90.23	678.14	752.92	1,100.00	1,039.09	60.91	18.060	
10,400.00	10,077.00	10,251.19	10,077.00	36.74	29.15	-90.23	678.14	752.92	1,100.00	1,039.02	60.98	18.038	
10,500.00	10,177.00	10,351.19	10,177.00	36.77	29.19	-90.23	678.14	752.92	1,100.00	1,038.94	61.06	18.015	
10,600.00	10,277.00	10,451.19	10,277.00	36.80	29.23	-90.23	678.14	752.92	1,100.00	1,038.86	61.14	17.993	
10,700.00	10,377.00	10,551.19	10,377.00	36.83	29.28	-90.23	678.14	752.92	1,100.00	1,038.79	61.21	17.970	
10,800.00	10,477.00	10,651.19	10,477.00	36.86	29.32	-90.23	678.14	752.92	1,100.00	1,038.71	61.29	17.947	
10,900.00	10,577.00	10,751.19	10,577.00	36.89	29.36	-90.23	678.14	752.92	1,100.00	1,038.63	61.37	17.925	
11,000.00	10,677.00	10,851.19	10,677.00	36.92	29.41	-90.23	678.14	752.92	1,100.00	1,038.55	61.45	17.902	
11,100.00	10,777.00	10,951.19	10,777.00	36.95	29.45	-90.23	678.14	752.92	1,100.00	1,038.47	61.52	17.879	
11,200.00	10,877.00	11,051.19	10,877.00	36.98	29.49	-90.23	678.14	752.92	1,100.00	1,038.40	61.60	17.857	
11,300.00	10,976.83	11,151.25	10,976.89	36.93	29.42	90.03	673.87	752.94	1,100.00	1,038.39	61.60	17.856	
11,400.00	11,074.52	11,251.33	11,074.66	36.81	29.29	90.02	653.07	753.03	1,100.00	1,038.45	61.55	17.872	
11,500.00	11,167.13	11,351.41	11,167.33	36.68	29.11	90.02	615.61	753.19	1,100.00	1,038.54	61.46	17.898	
11,600.00	11,251.83	11,451.49	11,252.07	36.55	28.93	90.02	562.61	753.43	1,100.00	1,038.65	61.35	17.931	
11,700.00	11,326.05	11,551.55	11,326.30	36.43	28.76	90.02	495.70	753.72	1,100.00	1,038.78	61.22	17.968	
11,800.00	11,387.54	11,651.60	11,387.77	36.33	28.61	90.01	416.92	754.06	1,100.00	1,038.90	61.10	18.004	
11,900.00	11,434.44	11,751.65	11,434.62	36.27	28.50	90.01	328.67	754.45	1,100.00	1,039.01	60.99	18.035	
11,948.28	11,451.41	11,799.94	11,451.56	36.26	28.46	90.01	283.46	754.65	1,100.00	1,039.05	60.95	18.047	
12,000.00	11,465.31	11,851.67	11,465.41	36.24	28.44	90.01	233.63	754.87	1,100.00	1,039.08	60.92	18.058	
12,100.00	11,479.21	11,951.68	11,479.24	36.27	28.45	90.00	134.71	755.30	1,100.00	1,039.12	60.88	18.070	
12,200.00	11,480.00	12,051.68	11,480.00	36.33	28.52	90.00	34.72	755.74	1,100.00	1,039.12	60.88	18.068	
12,300.00	11,480.00	12,151.68	11,480.00	36.41	28.61	90.00	-65.27	756.18	1,100.00	1,039.06	60.94	18.051	
12,400.00	11,480.00	12,251.68	11,480.00	36.51	28.71	90.00	-165.27	756.62	1,100.00	1,038.96	61.04	18.022	
12,500.00	11,480.00	12,351.68	11,480.00	36.63	28.82	90.00	-265.27	757.05	1,100.00	1,038.82	61.17	17.981	
12,600.00	11,480.00	12,451.68	11,480.00	36.76	28.95	90.00	-365.27	757.49	1,100.00	1,038.65	61.35	17.929	
12,700.00	11,480.00	12,551.68	11,480.00	36.91	29.10	90.00	-465.27	757.93	1,100.00	1,038.43	61.57	17.866	
12,800.00	11,480.00	12,651.68	11,480.00	37.07	29.25	90.00	-565.27	758.37	1,100.00	1,038.18	61.82	17.793	
12,900.00	11,480.00	12,751.68	11,480.00	37.25	29.42	90.00	-665.27	758.81	1,100.00	1,037.88	62.12	17.709	
13,000.00	11,480.00	12,851.68	11,480.00	37.44	29.60	90.00	-765.27	759.24	1,100.00	1,037.55	62.45	17.615	
13,100.00	11,480.00	12,951.68	11,480.00	37.64	29.80	90.00	-865.27	759.68	1,100.00	1,037.18	62.81	17.512	
13,200.00	11,480.00	13,051.68	11,480.00	37.86	30.01	90.00	-965.27	760.12	1,100.00	1,036.78	63.22	17.400	
13,300.00	11,480.00	13,151.68	11,480.00	38.09	30.23	90.00	-1,065.26	760.56	1,100.00	1,036.34	63.66	17.280	
13,400.00	11,480.00	13,251.68	11,480.00	38.33	30.47	90.00	-1,165.26	761.00	1,100.00	1,035.87	64.13	17.153	
13,500.00	11,480.00	13,351.68	11,480.00	38.58	30.71	90.00	-1,265.26	761.43	1,100.00	1,035.36	64.64	17.018	
13,600.00	11,480.00	13,451.68	11,480.00	38.85	30.98	90.00	-1,365.26	761.87	1,100.00	1,034.82	65.18	16.877	
13,700.00	11,480.00	13,551.68	11,480.00	39.13	31.25	90.00	-1,465.26	762.31	1,100.00	1,034.25	65.75	16.731	
13,800.00	11,480.00	13,651.68	11,480.00	39.42	31.54	90.00	-1,565.26	762.75	1,100.00	1,033.65	66.35	16.578	
13,900.00	11,480.00	13,751.68	11,480.00	39.72	31.84	90.00	-1,665.26	763.19	1,100.00	1,033.01	66.98	16.422	
14,000.00	11,480.00	13,851.68	11,480.00	40.03	32.16	90.00	-1,765.26	763.62	1,100.00	1,032.35	67.65	16.261	
14,100.00	11,480.00	13,951.68	11,480.00	40.35	32.49	90.00	-1,865.26	764.06	1,100.00	1,031.66	68.34	16.096	
14,200.00	11,480.00	14,051.68	11,480.00	40.68	32.83	90.00	-1,965.26	764.50	1,100.00	1,030.94	69.06	15.929	
14,300.00	11,480.00	14,151.68	11,480.00	41.03	33.18	90.00	-2,065.25	764.94	1,100.00	1,030.20	69.80	15.759	
14,400.00	11,480.00	14,251.68	11,480.00	41.38	33.55	90.00	-2,165.25	765.38	1,100.00	1,029.42	70.57	15.586	
14,500.00	11,480.00	14,351.68	11,480.00	41.74	33.92	90.00	-2,265.25	765.82	1,100.00	1,028.63	71.37	15.413	
14,600.00	11,480.00	14,451.68	11,480.00	42.11	34.31	90.00	-2,365.25	766.25	1,100.00	1,027.81	72.19	15.237	
14,700.00	11,480.00	14,551.68	11,480.00	42.50	34.72	90.00	-2,465.25	766.69	1,100.00	1,026.96	73.03	15.061	
14,800.00	11,480.00	14,651.68	11,480.00	42.89	35.13	90.00	-2,565.25	767.13	1,100.00	1,026.10	73.90	14.885	
14,900.00	11,480.00	14,751.68	11,480.00	43.29	35.56	90.00	-2,665.25	767.57	1,100.00	1,025.21	74.79	14.708	
15,000.00	11,480.00	14,851.68	11,480.00	43.70	35.99	90.00	-2,765.25	768.01	1,100.00	1,024.30	75.70	14.532	
15,100.00	11,480.00	14,951.68	11,480.00	44.11	36.44	90.00	-2,865.25	768.44	1,100.00	1,023.37	76.62	14.356	
15,200.00	11,480.00	15,051.68	11,480.00	44.54	36.90	90.00	-2,965.25	768.88	1,100.00	1,022.43	77.57	14.180	
15,300.00	11,480.00	15,151.68	11,480.00	44.97	37.37	90.00	-3,065.25	769.32	1,100.00	1,021.46	78.54	14.006	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
15,400.00	11,480.00	15,251.68	11,480.00	45.41	37.85	90.00	-3,165.24	769.76	1,100.00	1,020.48	79.52	13.832	
15,500.00	11,480.00	15,351.68	11,480.00	45.86	38.33	90.00	-3,265.24	770.20	1,100.00	1,019.47	80.52	13.660	
15,600.00	11,480.00	15,451.68	11,480.00	46.32	38.83	90.00	-3,365.24	770.63	1,100.00	1,018.46	81.54	13.490	
15,700.00	11,480.00	15,551.68	11,480.00	46.79	39.34	90.00	-3,465.24	771.07	1,100.00	1,017.42	82.58	13.321	
15,800.00	11,480.00	15,651.68	11,480.00	47.26	39.85	90.00	-3,565.24	771.51	1,100.00	1,016.37	83.63	13.154	
15,900.00	11,480.00	15,751.68	11,480.00	47.74	40.38	90.00	-3,665.24	771.95	1,100.00	1,015.31	84.69	12.988	
16,000.00	11,480.00	15,851.68	11,480.00	48.22	40.91	90.00	-3,765.24	772.39	1,100.00	1,014.23	85.77	12.825	
16,100.00	11,480.00	15,951.68	11,480.00	48.72	41.45	90.00	-3,865.24	772.83	1,100.00	1,013.14	86.86	12.664	
16,200.00	11,480.00	16,051.68	11,480.00	49.22	42.00	90.00	-3,965.24	773.26	1,100.00	1,012.03	87.97	12.505	
16,300.00	11,480.00	16,151.68	11,480.00	49.72	42.55	90.00	-4,065.24	773.70	1,100.00	1,010.91	89.09	12.348	
16,400.00	11,480.00	16,251.68	11,480.00	50.23	43.12	90.00	-4,165.23	774.14	1,100.00	1,009.78	90.22	12.193	
16,500.00	11,480.00	16,351.68	11,480.00	50.75	43.69	90.00	-4,265.23	774.58	1,100.00	1,008.64	91.36	12.040	
16,600.00	11,480.00	16,451.68	11,480.00	51.27	44.26	90.00	-4,365.23	775.02	1,100.00	1,007.49	92.51	11.890	
16,700.00	11,480.00	16,551.68	11,480.00	51.80	44.84	90.00	-4,465.23	775.45	1,100.00	1,006.32	93.68	11.742	
16,800.00	11,480.00	16,651.68	11,480.00	52.34	45.43	90.00	-4,565.23	775.89	1,100.00	1,005.15	94.85	11.597	
16,900.00	11,480.00	16,751.68	11,480.00	52.88	46.03	90.00	-4,665.23	776.33	1,100.00	1,003.96	96.04	11.454	
17,000.00	11,480.00	16,851.68	11,480.00	53.43	46.63	90.00	-4,765.23	776.77	1,100.00	1,002.77	97.23	11.313	
17,100.00	11,480.00	16,951.68	11,480.00	53.98	47.23	90.00	-4,865.23	777.21	1,100.00	1,001.56	98.44	11.175	
17,200.00	11,480.00	17,051.68	11,480.00	54.53	47.84	90.00	-4,965.23	777.64	1,100.00	1,000.35	99.65	11.038	
17,300.00	11,480.00	17,151.68	11,480.00	55.09	48.46	90.00	-5,065.23	778.08	1,100.00	999.12	100.87	10.905	
17,400.00	11,480.00	17,251.68	11,480.00	55.66	49.08	90.00	-5,165.23	778.52	1,100.00	997.89	102.11	10.773	
17,500.00	11,480.00	17,351.68	11,480.00	56.23	49.70	90.00	-5,265.22	778.96	1,100.00	996.65	103.34	10.644	
17,600.00	11,480.00	17,451.68	11,480.00	56.80	50.33	90.00	-5,365.22	779.40	1,100.00	995.41	104.59	10.517	
17,700.00	11,480.00	17,551.68	11,480.00	57.38	50.96	90.00	-5,465.22	779.84	1,100.00	994.15	105.85	10.392	
17,800.00	11,480.00	17,651.68	11,480.00	57.97	51.60	90.00	-5,565.22	780.27	1,100.00	992.89	107.11	10.270	
17,900.00	11,480.00	17,751.68	11,480.00	58.55	52.24	90.00	-5,665.22	780.71	1,100.00	991.62	108.38	10.150	
18,000.00	11,480.00	17,851.68	11,480.00	59.15	52.89	90.00	-5,765.22	781.15	1,100.00	990.35	109.65	10.032	
18,100.00	11,480.00	17,951.68	11,480.00	59.74	53.53	90.00	-5,865.22	781.59	1,100.00	989.06	110.94	9.916	
18,200.00	11,480.00	18,051.68	11,480.00	60.34	54.19	90.00	-5,965.22	782.03	1,100.00	987.77	112.22	9.802	
18,300.00	11,480.00	18,151.68	11,480.00	60.94	54.84	90.00	-6,065.22	782.46	1,100.00	986.48	113.52	9.690	
18,400.00	11,480.00	18,251.68	11,480.00	61.55	55.50	90.00	-6,165.22	782.90	1,100.00	985.18	114.82	9.580	
18,500.00	11,480.00	18,351.68	11,480.00	62.16	56.16	90.00	-6,265.21	783.34	1,100.00	983.87	116.13	9.472	
18,600.00	11,480.00	18,451.68	11,480.00	62.77	56.83	90.00	-6,365.21	783.78	1,100.00	982.56	117.44	9.367	
18,700.00	11,480.00	18,551.68	11,480.00	63.39	57.49	90.00	-6,465.21	784.22	1,100.00	981.24	118.76	9.263	
18,800.00	11,480.00	18,651.68	11,480.00	64.01	58.16	90.00	-6,565.21	784.65	1,100.00	979.92	120.08	9.161	
18,900.00	11,480.00	18,751.68	11,480.00	64.63	58.84	90.00	-6,665.21	785.09	1,100.00	978.59	121.41	9.060	
19,000.00	11,480.00	18,851.68	11,480.00	65.26	59.51	90.00	-6,765.21	785.53	1,100.00	977.26	122.74	8.962	
19,100.00	11,480.00	18,951.68	11,480.00	65.89	60.19	90.00	-6,865.21	785.97	1,100.00	975.92	124.08	8.865	
19,200.00	11,480.00	19,051.68	11,480.00	66.52	60.87	90.00	-6,965.21	786.41	1,100.00	974.58	125.42	8.770	
19,300.00	11,480.00	19,151.68	11,480.00	67.16	61.55	90.00	-7,065.21	786.84	1,100.00	973.23	126.77	8.677	
19,400.00	11,480.00	19,251.68	11,480.00	67.79	62.24	90.00	-7,165.21	787.28	1,100.00	971.88	128.12	8.586	
19,500.00	11,480.00	19,351.68	11,480.00	68.43	62.92	90.00	-7,265.21	787.72	1,100.00	970.53	129.47	8.496	
19,600.00	11,480.00	19,451.68	11,480.00	69.08	63.61	90.00	-7,365.20	788.16	1,100.00	969.17	130.83	8.408	
19,700.00	11,480.00	19,551.68	11,480.00	69.72	64.30	90.00	-7,465.20	788.60	1,100.00	967.80	132.20	8.321	
19,800.00	11,480.00	19,651.68	11,480.00	70.37	65.00	90.00	-7,565.20	789.04	1,100.00	966.44	133.56	8.236	
19,900.00	11,480.00	19,751.68	11,480.00	71.02	65.69	90.00	-7,665.20	789.47	1,100.00	965.07	134.93	8.152	
20,000.00	11,480.00	19,851.68	11,480.00	71.67	66.39	90.00	-7,765.20	789.91	1,100.00	963.69	136.31	8.070	
20,100.00	11,480.00	19,951.68	11,480.00	72.33	67.09	90.00	-7,865.20	790.35	1,100.00	962.32	137.68	7.989	
20,200.00	11,480.00	20,051.68	11,480.00	72.99	67.79	90.00	-7,965.20	790.79	1,100.00	960.93	139.07	7.910	
20,300.00	11,480.00	20,151.68	11,480.00	73.65	68.49	90.00	-8,065.20	791.23	1,100.00	959.55	140.45	7.832	
20,400.00	11,480.00	20,251.68	11,480.00	74.31	69.19	90.00	-8,165.20	791.66	1,100.00	958.16	141.84	7.755	
20,500.00	11,480.00	20,351.68	11,480.00	74.97	69.90	90.00	-8,265.20	792.10	1,100.00	956.77	143.23	7.680	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IFR1+MS													Offset Well Error: 0.50 usft
Reference	Offset	Rule Assigned:											Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,600.00	11,480.00	20,451.68	11,480.00	75.64	70.60	90.00	-8,365.19	792.54	1,100.00	955.38	144.62	7.606	
20,700.00	11,480.00	20,551.68	11,480.00	76.31	71.31	90.00	-8,465.19	792.98	1,100.00	953.98	146.02	7.533	
20,800.00	11,480.00	20,651.68	11,480.00	76.97	72.02	90.00	-8,565.19	793.42	1,100.00	952.58	147.42	7.462	
20,900.00	11,480.00	20,751.68	11,480.00	77.65	72.73	90.00	-8,665.19	793.85	1,100.00	951.18	148.82	7.392	
21,000.00	11,480.00	20,851.68	11,480.00	78.32	73.44	90.00	-8,765.19	794.29	1,100.00	949.78	150.22	7.322	
21,100.00	11,480.00	20,951.68	11,480.00	78.99	74.15	90.00	-8,865.19	794.73	1,100.00	948.37	151.63	7.255	
21,200.00	11,480.00	21,051.68	11,480.00	79.67	74.87	90.00	-8,965.19	795.17	1,100.00	946.96	153.04	7.188	
21,300.00	11,480.00	21,151.68	11,480.00	80.35	75.58	90.00	-9,065.19	795.61	1,100.00	945.55	154.45	7.122	
21,400.00	11,480.00	21,251.68	11,480.00	81.03	76.30	90.00	-9,165.19	796.05	1,100.00	944.13	155.87	7.057	
21,500.00	11,480.00	21,351.68	11,480.00	81.71	77.02	90.00	-9,265.19	796.48	1,100.00	942.72	157.28	6.994	
21,600.00	11,480.00	21,451.68	11,480.00	82.39	77.73	90.00	-9,365.19	796.92	1,100.00	941.30	158.70	6.931	
21,700.00	11,480.00	21,551.68	11,480.00	83.08	78.45	90.00	-9,465.18	797.36	1,100.00	939.88	160.12	6.870	
21,800.00	11,480.00	21,651.68	11,480.00	83.77	79.18	90.00	-9,565.18	797.80	1,100.00	938.45	161.55	6.809	
21,900.00	11,480.00	21,751.68	11,480.00	84.45	79.90	90.00	-9,665.18	798.24	1,100.00	937.03	162.97	6.750	
22,000.00	11,480.00	21,851.68	11,480.00	85.14	80.62	90.00	-9,765.18	798.67	1,100.00	935.60	164.40	6.691	
22,100.00	11,480.00	21,951.68	11,480.00	85.83	81.34	90.00	-9,865.18	799.11	1,100.00	934.17	165.83	6.633	
22,200.00	11,480.00	22,051.68	11,480.00	86.52	82.07	90.00	-9,965.18	799.55	1,100.00	932.74	167.26	6.577	
22,300.00	11,480.00	22,151.68	11,480.00	87.22	82.79	90.00	-10,065.18	799.99	1,100.00	931.30	168.69	6.521	
22,400.00	11,480.00	22,251.68	11,480.00	87.91	83.52	90.00	-10,165.18	800.43	1,100.00	929.87	170.13	6.466	
22,500.00	11,480.00	22,351.68	11,480.00	88.61	84.25	90.00	-10,265.18	800.86	1,100.00	928.43	171.57	6.411	
22,584.05	11,480.00	22,435.73	11,480.00	89.19	84.86	90.00	-10,349.22	801.23	1,100.00	927.23	172.77	6.367 SF	

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	0.50 usft
Rule Assigned:												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+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	0.50	0.50	-94.09	-20.00	-280.00	280.71				
100.00	100.00	100.00	100.00	0.66	0.66	-94.09	-20.00	-280.00	280.71	279.40	1.32	213.117	
200.00	200.00	200.00	200.00	1.35	1.35	-94.09	-20.00	-280.00	280.71	278.02	2.70	104.075	
300.00	300.00	300.00	300.00	1.82	1.82	-94.09	-20.00	-280.00	280.71	277.08	3.63	77.243	
400.00	400.00	400.00	400.00	2.19	2.19	-94.09	-20.00	-280.00	280.71	276.33	4.38	64.077	
500.00	500.00	500.00	500.00	2.51	2.51	-94.09	-20.00	-280.00	280.71	275.69	5.02	55.885	
600.00	600.00	600.00	600.00	2.80	2.80	-94.09	-20.00	-280.00	280.71	275.12	5.60	50.157	
700.00	700.00	700.00	700.00	3.06	3.06	-94.09	-20.00	-280.00	280.71	274.59	6.12	45.860	
800.00	800.00	800.00	800.00	3.30	3.30	-94.09	-20.00	-280.00	280.71	274.11	6.61	42.481	
900.00	900.00	900.00	900.00	3.53	3.53	-94.09	-20.00	-280.00	280.71	273.65	7.07	39.732	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	-94.09	-20.00	-280.00	280.71	273.22	7.50	37.438	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	-94.09	-20.00	-280.00	280.71	272.80	7.91	35.485	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	-94.09	-20.00	-280.00	280.71	272.41	8.31	33.796	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	-94.09	-20.00	-280.00	280.71	272.03	8.69	32.316	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	-94.09	-20.00	-280.00	280.71	271.66	9.05	31.005	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	-94.09	-20.00	-280.00	280.71	271.30	9.41	29.832	
1,600.00	1,599.98	1,607.00	1,606.97	4.91	5.09	116.57	-18.44	-278.76	280.23	270.42	9.81	28.571	
1,700.00	1,699.84	1,713.42	1,713.22	5.54	5.77	118.52	-13.78	-275.06	278.98	268.53	10.44	26.711	
1,800.00	1,799.49	1,818.81	1,818.15	5.70	6.39	133.05	-6.12	-268.98	277.67	266.80	10.87	25.540	
1,853.46	1,852.74	1,874.84	1,873.77	5.81	6.71	146.58	-0.83	-264.77	277.46	266.31	11.15	24.882 CC	
1,900.00	1,899.08	1,923.49	1,921.95	5.92	6.99	157.34	4.46	-260.56	277.63	266.25	11.38	24.399 ES	
2,000.00	1,998.51	2,027.55	2,024.57	6.34	7.51	176.30	17.92	-249.87	279.13	267.27	11.85	23.548	
2,100.00	2,097.67	2,128.09	2,123.21	6.73	7.77	-169.88	33.20	-237.74	282.59	270.26	12.33	22.919	
2,200.00	2,196.44	2,226.95	2,220.13	7.02	8.00	-159.99	48.42	-225.64	289.08	276.14	12.93	22.354	
2,300.00	2,294.70	2,325.95	2,317.20	7.24	8.27	-152.81	63.67	-213.53	298.29	284.71	13.57	21.975	
2,400.00	2,392.32	2,424.99	2,414.30	7.61	8.55	-147.58	78.92	-201.41	309.88	295.67	14.22	21.799	
2,500.00	2,489.19	2,523.94	2,511.32	8.11	8.85	-143.80	94.16	-189.31	323.62	308.75	14.86	21.776	
2,600.00	2,585.19	2,622.68	2,608.13	8.63	9.16	-141.16	109.37	-177.22	339.34	323.83	15.52	21.870	
2,700.00	2,680.21	2,721.09	2,704.62	9.15	9.48	-139.41	124.52	-165.18	357.01	340.82	16.19	22.050	
2,800.00	2,774.44	2,819.19	2,800.80	9.44	9.81	-139.49	139.63	-153.18	376.09	359.38	16.72	22.496	
2,900.00	2,868.63	2,917.28	2,896.97	9.76	10.15	-140.00	154.74	-141.18	395.27	377.99	17.29	22.864	
3,000.00	2,962.82	3,015.36	2,993.14	10.10	10.51	-140.46	169.84	-129.18	414.48	396.60	17.88	23.181	
3,100.00	3,057.01	3,113.45	3,089.31	10.46	10.86	-140.88	184.95	-117.18	433.71	415.23	18.49	23.460	
3,200.00	3,151.20	3,211.53	3,185.48	10.83	11.23	-141.27	200.05	-105.18	452.97	433.86	19.11	23.704	
3,300.00	3,245.39	3,309.62	3,281.65	11.21	11.60	-141.63	215.16	-93.18	472.24	452.49	19.74	23.917	
3,400.00	3,339.58	3,407.70	3,377.82	11.60	11.98	-141.95	230.26	-81.18	491.53	471.13	20.39	24.103	
3,500.00	3,433.77	3,505.79	3,473.99	12.00	12.37	-142.25	245.37	-69.18	510.83	489.78	21.05	24.266	
3,600.00	3,527.96	3,603.87	3,570.16	12.41	12.76	-142.53	260.47	-57.18	530.14	508.42	21.72	24.408	
3,700.00	3,622.16	3,701.96	3,666.33	12.82	13.15	-142.79	275.58	-45.18	549.47	527.07	22.40	24.531	
3,800.00	3,716.35	3,800.04	3,762.50	13.25	13.55	-143.04	290.68	-33.18	568.80	545.72	23.09	24.638	
3,900.00	3,810.54	3,898.13	3,858.67	13.68	13.95	-143.26	305.79	-21.18	588.15	564.36	23.78	24.731	
4,000.00	3,904.73	3,996.21	3,954.83	14.11	14.36	-143.48	320.90	-9.18	607.50	583.01	24.48	24.812	
4,100.00	3,998.92	4,094.30	4,051.00	14.55	14.77	-143.68	336.00	2.82	626.86	601.67	25.19	24.881	
4,200.00	4,093.11	4,192.38	4,147.17	15.00	15.18	-143.86	351.11	14.83	646.23	620.32	25.91	24.941	
4,300.00	4,187.30	4,290.47	4,243.34	15.45	15.60	-144.04	366.21	26.83	665.60	638.97	26.63	24.992	
4,400.00	4,281.49	4,388.56	4,339.51	15.91	16.01	-144.21	381.32	38.83	684.98	657.62	27.36	25.036	
4,500.00	4,375.68	4,486.64	4,435.68	16.37	16.43	-144.36	396.42	50.83	704.37	676.27	28.09	25.074	
4,600.00	4,469.87	4,584.73	4,531.85	16.83	16.85	-144.51	411.53	62.83	723.75	694.93	28.83	25.105	
4,700.00	4,564.06	4,682.81	4,628.02	17.30	17.28	-144.65	426.63	74.83	743.15	713.58	29.57	25.132	
4,800.00	4,658.26	4,780.90	4,724.19	17.77	17.70	-144.79	441.74	86.83	762.55	732.23	30.32	25.154	
4,900.00	4,752.45	4,878.98	4,820.36	18.24	18.13	-144.91	456.85	98.83	781.95	750.88	31.06	25.172	
5,000.00	4,846.64	4,977.07	4,916.53	18.72	18.56	-145.04	471.95	110.83	801.35	769.54	31.82	25.186	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HRGM													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor	
5,100.00	4,940.83	5,075.15	5,012.70	19.20	18.99	-145.15	487.06	122.83	820.76	788.19	32.57	25.198	
5,200.00	5,035.02	5,173.24	5,108.87	19.68	19.42	-145.26	502.16	134.83	840.17	806.84	33.33	25.206	
5,300.00	5,129.21	5,271.32	5,205.04	20.16	19.86	-145.37	517.27	146.83	859.59	825.50	34.09	25.212	
5,400.00	5,223.40	5,369.41	5,301.21	20.64	20.29	-145.47	532.37	158.83	879.01	844.15	34.86	25.216	
5,500.00	5,317.59	5,467.49	5,397.38	21.13	20.73	-145.56	547.48	170.83	898.43	862.80	35.63	25.219	
5,600.00	5,411.78	5,565.58	5,493.54	21.62	21.16	-145.65	562.58	182.83	917.85	881.45	36.40	25.219	
5,700.00	5,505.97	5,663.66	5,589.71	22.11	21.60	-145.74	577.69	194.83	937.27	900.11	37.17	25.218	
5,800.00	5,600.16	5,761.75	5,685.88	22.60	22.04	-145.83	592.79	206.83	956.70	918.76	37.94	25.216	
5,900.00	5,694.35	5,859.84	5,782.05	23.09	22.48	-145.91	607.90	218.83	976.13	937.41	38.72	25.212	
6,000.00	5,788.55	5,957.92	5,878.22	23.59	22.92	-145.99	623.01	230.83	995.56	956.06	39.49	25.207	
6,100.00	5,882.74	6,050.60	5,969.13	24.08	23.33	-146.07	637.13	242.06	1,015.09	974.86	40.23	25.233	
6,200.00	5,976.93	6,134.55	6,051.84	24.58	23.73	-146.24	648.36	250.98	1,035.71	994.78	40.93	25.305	
6,300.00	6,071.12	6,217.79	6,134.23	25.08	24.15	-146.53	657.62	258.34	1,057.67	1,016.02	41.65	25.396	
6,400.00	6,165.31	6,300.00	6,215.91	25.58	24.57	-146.91	664.92	264.14	1,080.99	1,038.63	42.37	25.514	
6,500.00	6,259.50	6,381.65	6,297.27	26.08	24.95	-147.39	670.36	268.45	1,105.71	1,062.63	43.08	25.666	
6,600.00	6,353.69	6,462.04	6,377.52	26.58	25.30	-147.95	673.93	271.29	1,131.85	1,088.07	43.78	25.851	
6,700.00	6,447.88	6,541.26	6,456.71	27.08	25.55	-148.57	675.72	272.72	1,159.47	1,115.03	44.44	26.089	
6,800.00	6,542.07	6,626.63	6,542.07	27.58	25.66	-149.31	675.98	272.92	1,188.48	1,143.37	45.11	26.348	
6,900.00	6,636.26	6,720.82	6,636.26	28.09	25.70	-150.11	675.98	272.92	1,217.90	1,172.08	45.83	26.577	
7,000.00	6,730.45	6,815.01	6,730.45	28.59	25.74	-150.87	675.98	272.92	1,247.54	1,201.00	46.54	26.804	
7,100.00	6,824.65	6,909.20	6,824.65	29.10	25.78	-151.59	675.98	272.92	1,277.38	1,230.12	47.25	27.033	
7,200.00	6,918.84	7,003.39	6,918.84	29.61	25.82	-152.28	675.98	272.92	1,307.39	1,259.44	47.96	27.262	
7,300.00	7,013.03	7,097.59	7,013.03	30.11	25.86	-152.94	675.98	272.92	1,337.58	1,288.92	48.65	27.491	
7,400.00	7,107.22	7,191.78	7,107.22	30.62	25.90	-153.58	675.98	272.92	1,367.92	1,318.57	49.35	27.721	
7,500.00	7,201.41	7,285.97	7,201.41	31.13	25.94	-154.18	675.98	272.92	1,398.41	1,348.38	50.03	27.949	
7,600.00	7,295.60	7,380.16	7,295.60	31.64	25.98	-154.79	675.98	272.92	1,429.03	1,378.32	50.71	28.179	
7,700.00	7,390.45	7,475.01	7,390.45	32.16	26.02	-155.56	675.98	272.92	1,458.03	1,406.64	51.39	28.372	
7,800.00	7,486.35	7,570.91	7,486.35	32.72	26.06	-156.23	675.98	272.92	1,484.07	1,431.98	52.09	28.492	
7,900.00	7,583.18	7,667.74	7,583.18	33.28	26.11	-156.80	675.98	272.92	1,507.08	1,454.33	52.76	28.567	
8,000.00	7,680.82	7,765.38	7,680.82	33.82	26.15	-157.27	675.98	272.92	1,527.02	1,473.62	53.40	28.598	
8,100.00	7,779.15	7,863.71	7,779.15	34.34	26.19	-157.66	675.98	272.92	1,543.83	1,489.82	54.00	28.587	
8,200.00	7,878.06	7,962.62	7,878.06	34.84	26.24	-157.97	675.98	272.92	1,557.47	1,502.90	54.58	28.537	
8,300.00	7,977.42	8,061.98	7,977.42	35.31	26.28	-158.20	675.98	272.92	1,567.92	1,512.81	55.11	28.450	
8,400.00	8,077.11	8,161.67	8,077.11	35.74	26.33	-158.36	675.98	272.92	1,575.15	1,519.55	55.60	28.331	
8,500.00	8,177.01	8,261.57	8,177.01	36.13	26.37	-158.45	675.98	272.92	1,579.14	1,523.11	56.02	28.187	
8,600.00	8,277.00	8,361.56	8,277.00	36.25	26.42	-90.23	675.98	272.92	1,580.00	1,523.81	56.19	28.118	
8,700.00	8,377.00	8,461.56	8,377.00	36.28	26.46	-90.23	675.98	272.92	1,580.00	1,523.73	56.27	28.079	
8,800.00	8,477.00	8,561.56	8,477.00	36.30	26.51	-90.23	675.98	272.92	1,580.00	1,523.65	56.35	28.040	
8,900.00	8,577.00	8,661.56	8,577.00	36.33	26.56	-90.23	675.98	272.92	1,580.00	1,523.57	56.43	28.000	
9,000.00	8,677.00	8,761.56	8,677.00	36.36	26.60	-90.23	675.98	272.92	1,580.00	1,523.49	56.51	27.959	
9,100.00	8,777.00	8,861.56	8,777.00	36.38	26.65	-90.23	675.98	272.92	1,580.00	1,523.41	56.59	27.919	
9,200.00	8,877.00	8,961.56	8,877.00	36.41	26.69	-90.23	675.98	272.92	1,580.00	1,523.33	56.67	27.879	
9,300.00	8,977.00	9,061.56	8,977.00	36.44	26.74	-90.23	675.98	272.92	1,580.00	1,523.25	56.75	27.839	
9,400.00	9,077.00	9,161.56	9,077.00	36.46	26.79	-90.23	675.98	272.92	1,580.00	1,523.17	56.84	27.799	
9,500.00	9,177.00	9,261.56	9,177.00	36.49	26.84	-90.23	675.98	272.92	1,580.00	1,523.08	56.92	27.758	
9,600.00	9,277.00	9,361.56	9,277.00	36.52	26.88	-90.23	675.98	272.92	1,580.00	1,523.00	57.00	27.718	
9,700.00	9,377.00	9,461.56	9,377.00	36.55	26.93	-90.23	675.98	272.92	1,580.00	1,522.92	57.09	27.678	
9,800.00	9,477.00	9,561.56	9,477.00	36.57	26.98	-90.23	675.98	272.92	1,580.00	1,522.83	57.17	27.637	
9,900.00	9,577.00	9,661.56	9,577.00	36.60	27.02	-90.23	675.98	272.92	1,580.00	1,522.75	57.25	27.597	
10,000.00	9,677.00	9,761.56	9,677.00	36.63	27.07	-90.23	675.98	272.92	1,580.00	1,522.67	57.34	27.556	
10,100.00	9,777.00	9,861.56	9,777.00	36.66	27.12	-90.23	675.98	272.92	1,580.00	1,522.58	57.42	27.516	
10,200.00	9,877.00	9,961.56	9,877.00	36.69	27.17	-90.23	675.98	272.92	1,580.00	1,522.50	57.51	27.475	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3													Offset Site Error:	0.00 usft
Survey Program:		0-MWD+HRGM					Rule Assigned:				Offset Well Error:	0.50 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,300.00	9,977.00	10,061.56	9,977.00	36.72	27.22	-90.23	675.98	272.92	1,580.00	1,522.41	57.59	27.435		
10,400.00	10,077.00	10,161.56	10,077.00	36.74	27.27	-90.23	675.98	272.92	1,580.00	1,522.33	57.68	27.394		
10,500.00	10,177.00	10,261.56	10,177.00	36.77	27.31	-90.23	675.98	272.92	1,580.00	1,522.24	57.76	27.353		
10,600.00	10,277.00	10,361.56	10,277.00	36.80	27.36	-90.23	675.98	272.92	1,580.00	1,522.15	57.85	27.312		
10,700.00	10,377.00	10,461.56	10,377.00	36.83	27.41	-90.23	675.98	272.92	1,580.00	1,522.07	57.94	27.272		
10,800.00	10,477.00	10,561.56	10,477.00	36.86	27.46	-90.23	675.98	272.92	1,580.00	1,521.98	58.02	27.231		
10,900.00	10,577.00	10,661.56	10,577.00	36.89	27.51	-90.23	675.98	272.92	1,580.00	1,521.89	58.11	27.190		
11,000.00	10,677.00	10,761.56	10,677.00	36.92	27.56	-90.23	675.98	272.92	1,580.00	1,521.81	58.20	27.149		
11,100.00	10,777.00	10,861.56	10,777.00	36.95	27.61	-90.23	675.98	272.92	1,580.00	1,521.72	58.28	27.108		
11,200.00	10,877.00	10,961.56	10,877.00	36.98	27.66	-90.23	675.98	272.92	1,580.00	1,521.63	58.37	27.068		
11,200.41	10,877.42	10,961.97	10,877.42	36.98	27.66	90.02	675.98	272.92	1,580.00	1,521.63	58.37	27.067		
11,300.00	10,976.83	11,061.39	10,976.83	36.93	27.71	90.17	675.98	272.92	1,580.01	1,521.62	58.39	27.061		
11,400.00	11,074.52	11,159.08	11,074.52	36.81	27.76	90.88	675.98	272.92	1,580.21	1,521.99	58.22	27.143		
11,500.00	11,167.13	11,251.68	11,167.13	36.68	27.80	92.03	675.98	272.92	1,581.25	1,523.38	57.87	27.323		
11,600.00	11,251.83	11,336.38	11,251.83	36.55	27.85	93.35	675.98	272.92	1,584.24	1,526.88	57.36	27.617		
11,700.00	11,326.05	11,410.61	11,326.05	36.43	27.88	94.51	675.98	272.92	1,590.52	1,533.81	56.71	28.047		
11,800.00	11,387.54	11,474.44	11,389.88	36.33	27.89	95.22	675.84	272.91	1,601.46	1,545.53	55.93	28.635		
11,900.00	11,434.44	11,547.33	11,462.45	36.27	27.81	95.78	669.61	272.32	1,617.69	1,562.46	55.23	29.288		
12,000.00	11,465.31	11,632.99	11,545.88	36.24	27.71	96.23	650.65	270.53	1,639.06	1,584.31	54.75	29.935		
12,100.00	11,479.21	11,747.08	11,650.85	36.27	27.53	97.05	606.63	266.36	1,665.03	1,610.31	54.72	30.430		
12,200.00	11,480.00	11,955.42	11,811.95	36.33	27.17	101.72	476.91	254.10	1,693.13	1,637.17	55.96	30.258		
12,300.00	11,480.00	12,387.94	11,950.00	36.41	27.03	106.00	79.33	216.64	1,711.28	1,650.89	60.39	28.336		
12,400.00	11,480.00	12,623.15	11,950.00	36.51	27.46	105.90	-155.59	206.30	1,715.93	1,653.12	62.81	27.320		
12,500.00	11,480.00	12,735.30	11,950.00	36.63	27.73	105.90	-267.74	206.72	1,715.96	1,652.29	63.68	26.948		
12,600.00	11,480.00	12,835.30	11,950.00	36.76	28.01	105.90	-367.74	207.16	1,715.96	1,651.50	64.46	26.623		
12,700.00	11,480.00	12,935.30	11,950.00	36.91	28.33	105.90	-467.74	207.60	1,715.96	1,650.64	65.31	26.272		
12,800.00	11,480.00	13,035.30	11,950.00	37.07	28.70	105.90	-567.74	208.04	1,715.95	1,649.70	66.25	25.902		
12,900.00	11,480.00	13,135.30	11,950.00	37.25	29.11	105.90	-667.74	208.48	1,715.95	1,648.70	67.25	25.515		
13,000.00	11,480.00	13,235.30	11,950.00	37.44	29.59	105.90	-767.73	208.92	1,715.95	1,647.62	68.32	25.115		
13,100.00	11,480.00	13,335.30	11,950.00	37.64	30.12	105.90	-867.73	209.36	1,715.94	1,646.49	69.46	24.705		
13,200.00	11,480.00	13,435.30	11,950.00	37.86	30.70	105.90	-967.73	209.81	1,715.94	1,645.29	70.64	24.290		
13,300.00	11,480.00	13,535.30	11,950.00	38.09	31.35	105.90	-1,067.73	210.25	1,715.94	1,644.05	71.89	23.870		
13,400.00	11,480.00	13,635.30	11,950.00	38.33	32.06	105.90	-1,167.73	210.69	1,715.93	1,642.76	73.18	23.449		
13,500.00	11,480.00	13,735.30	11,950.00	38.58	32.82	105.90	-1,267.73	211.13	1,715.93	1,641.42	74.51	23.029		
13,600.00	11,480.00	13,835.30	11,950.00	38.85	33.64	105.90	-1,367.73	211.57	1,715.93	1,640.04	75.89	22.610		
13,700.00	11,480.00	13,935.30	11,950.00	39.13	34.51	105.90	-1,467.73	212.01	1,715.92	1,638.61	77.31	22.196		
13,800.00	11,480.00	14,035.30	11,950.00	39.42	35.42	105.90	-1,567.73	212.46	1,715.92	1,637.16	78.76	21.786		
13,900.00	11,480.00	14,135.30	11,950.00	39.72	36.38	105.90	-1,667.73	212.90	1,715.92	1,635.67	80.25	21.382		
14,000.00	11,480.00	14,235.30	11,950.00	40.03	37.38	105.90	-1,767.72	213.34	1,715.91	1,634.14	81.77	20.984		
14,100.00	11,480.00	14,335.30	11,950.00	40.35	38.42	105.90	-1,867.72	213.78	1,715.91	1,632.59	83.32	20.594		
14,200.00	11,480.00	14,435.30	11,950.00	40.68	39.48	105.90	-1,967.72	214.22	1,715.91	1,631.01	84.90	20.212		
14,300.00	11,480.00	14,535.30	11,950.00	41.03	40.58	105.90	-2,067.72	214.66	1,715.90	1,629.40	86.50	19.837		
14,400.00	11,480.00	14,635.30	11,950.00	41.38	41.71	105.90	-2,167.72	215.10	1,715.90	1,627.77	88.13	19.471		
14,500.00	11,480.00	14,735.30	11,950.00	41.74	42.86	105.90	-2,267.72	215.55	1,715.90	1,626.12	89.77	19.113		
14,600.00	11,480.00	14,835.30	11,950.00	42.11	44.03	105.90	-2,367.72	215.99	1,715.89	1,624.45	91.45	18.764		
14,700.00	11,480.00	14,935.30	11,950.00	42.50	45.22	105.90	-2,467.72	216.43	1,715.89	1,622.76	93.14	18.424		
14,800.00	11,480.00	15,035.30	11,950.00	42.89	46.43	105.90	-2,567.72	216.87	1,715.89	1,621.04	94.84	18.092		
14,900.00	11,480.00	15,135.30	11,950.00	43.29	47.65	105.90	-2,667.72	217.31	1,715.88	1,619.31	96.57	17.768		
15,000.00	11,480.00	15,235.30	11,950.00	43.70	48.89	105.90	-2,767.72	217.75	1,715.88	1,617.57	98.32	17.453		
15,100.00	11,480.00	15,335.30	11,950.00	44.11	50.14	105.90	-2,867.71	218.20	1,715.88	1,615.80	100.07	17.146		
15,200.00	11,480.00	15,435.30	11,950.00	44.54	51.41	105.90	-2,967.71	218.64	1,715.87	1,614.03	101.85	16.847		
15,300.00	11,480.00	15,535.30	11,950.00	44.97	52.68	105.90	-3,067.71	219.08	1,715.87	1,612.23	103.64	16.556		

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,400.00	11,480.00	15,635.30	11,950.00	45.41	53.97	105.90	-3,167.71	219.52	1,715.87	1,610.43	105.44	16.273			
15,500.00	11,480.00	15,735.30	11,950.00	45.86	55.27	105.90	-3,267.71	219.96	1,715.86	1,608.61	107.25	15.998			
15,600.00	11,480.00	15,835.30	11,950.00	46.32	56.57	105.90	-3,367.71	220.40	1,715.86	1,606.78	109.08	15.730			
15,700.00	11,480.00	15,935.30	11,950.00	46.79	57.88	105.90	-3,467.71	220.84	1,715.86	1,604.94	110.92	15.469			
15,800.00	11,480.00	16,035.30	11,950.00	47.26	59.20	105.90	-3,567.71	221.29	1,715.85	1,603.08	112.77	15.216			
15,900.00	11,480.00	16,135.30	11,950.00	47.74	60.53	105.90	-3,667.71	221.73	1,715.85	1,601.22	114.63	14.969			
16,000.00	11,480.00	16,235.30	11,950.00	48.22	61.86	105.90	-3,767.71	222.17	1,715.85	1,599.35	116.50	14.728			
16,100.00	11,480.00	16,335.30	11,950.00	48.72	63.20	105.90	-3,867.70	222.61	1,715.85	1,597.47	118.38	14.494			
16,200.00	11,480.00	16,435.30	11,950.00	49.22	64.54	105.90	-3,967.70	223.05	1,715.84	1,595.57	120.27	14.267			
16,300.00	11,480.00	16,535.30	11,950.00	49.72	65.89	105.90	-4,067.70	223.49	1,715.84	1,593.67	122.17	14.045			
16,400.00	11,480.00	16,635.30	11,950.00	50.23	67.24	105.90	-4,167.70	223.93	1,715.84	1,591.76	124.07	13.829			
16,500.00	11,480.00	16,735.30	11,950.00	50.75	68.60	105.90	-4,267.70	224.38	1,715.83	1,589.85	125.99	13.619			
16,600.00	11,480.00	16,835.30	11,950.00	51.27	69.96	105.90	-4,367.70	224.82	1,715.83	1,587.92	127.91	13.415			
16,700.00	11,480.00	16,935.30	11,950.00	51.80	71.33	105.90	-4,467.70	225.26	1,715.83	1,585.99	129.84	13.215			
16,800.00	11,480.00	17,035.30	11,950.00	52.34	72.70	105.90	-4,567.70	225.70	1,715.82	1,584.05	131.77	13.021			
16,900.00	11,480.00	17,135.30	11,950.00	52.88	74.07	105.90	-4,667.70	226.14	1,715.82	1,582.11	133.71	12.832			
17,000.00	11,480.00	17,235.30	11,950.00	53.43	75.45	105.90	-4,767.70	226.58	1,715.82	1,580.15	135.66	12.648			
17,100.00	11,480.00	17,335.30	11,950.00	53.98	76.83	105.90	-4,867.69	227.03	1,715.81	1,578.19	137.62	12.468			
17,200.00	11,480.00	17,435.30	11,950.00	54.53	78.21	105.90	-4,967.69	227.47	1,715.81	1,576.23	139.58	12.293			
17,300.00	11,480.00	17,535.30	11,950.00	55.09	79.59	105.90	-5,067.69	227.91	1,715.81	1,574.26	141.55	12.122			
17,400.00	11,480.00	17,635.30	11,950.00	55.66	80.98	105.90	-5,167.69	228.35	1,715.80	1,572.28	143.52	11.955			
17,500.00	11,480.00	17,735.30	11,950.00	56.23	82.37	105.90	-5,267.69	228.79	1,715.80	1,570.30	145.50	11.793			
17,600.00	11,480.00	17,835.30	11,950.00	56.80	83.76	105.90	-5,367.69	229.23	1,715.80	1,568.32	147.48	11.634			
17,700.00	11,480.00	17,935.30	11,950.00	57.38	85.15	105.90	-5,467.69	229.67	1,715.79	1,566.33	149.47	11.479			
17,800.00	11,480.00	18,035.30	11,950.00	57.97	86.55	105.90	-5,567.69	230.12	1,715.79	1,564.33	151.46	11.328			
17,900.00	11,480.00	18,135.30	11,950.00	58.55	87.94	105.90	-5,667.69	230.56	1,715.79	1,562.33	153.46	11.181			
18,000.00	11,480.00	18,235.30	11,950.00	59.15	89.34	105.90	-5,767.69	231.00	1,715.78	1,560.32	155.46	11.037			
18,100.00	11,480.00	18,335.30	11,950.00	59.74	90.74	105.90	-5,867.68	231.44	1,715.78	1,558.31	157.47	10.896			
18,200.00	11,480.00	18,435.30	11,950.00	60.34	92.15	105.90	-5,967.68	231.88	1,715.78	1,556.30	159.48	10.759			
18,300.00	11,480.00	18,535.30	11,950.00	60.94	93.55	105.90	-6,067.68	232.32	1,715.77	1,554.28	161.49	10.625			
18,400.00	11,480.00	18,635.30	11,950.00	61.55	94.96	105.90	-6,167.68	232.77	1,715.77	1,552.26	163.51	10.493			
18,500.00	11,480.00	18,735.30	11,950.00	62.16	96.36	105.90	-6,267.68	233.21	1,715.77	1,550.24	165.53	10.365			
18,600.00	11,480.00	18,835.30	11,950.00	62.77	97.77	105.90	-6,367.68	233.65	1,715.76	1,548.21	167.56	10.240			
18,700.00	11,480.00	18,935.30	11,950.00	63.39	99.18	105.90	-6,467.68	234.09	1,715.76	1,546.18	169.59	10.117			
18,800.00	11,480.00	19,035.30	11,950.00	64.01	100.59	105.90	-6,567.68	234.53	1,715.76	1,544.14	171.62	9.998			
18,900.00	11,480.00	19,135.30	11,950.00	64.63	102.00	105.90	-6,667.68	234.97	1,715.75	1,542.10	173.65	9.880			
19,000.00	11,480.00	19,235.30	11,950.00	65.26	103.42	105.90	-6,767.68	235.41	1,715.75	1,540.06	175.69	9.766			
19,100.00	11,480.00	19,335.30	11,950.00	65.89	104.83	105.90	-6,867.68	235.86	1,715.75	1,538.01	177.73	9.653			
19,200.00	11,480.00	19,435.30	11,950.00	66.52	106.25	105.90	-6,967.67	236.30	1,715.74	1,535.96	179.78	9.544			
19,300.00	11,480.00	19,535.30	11,950.00	67.16	107.66	105.90	-7,067.67	236.74	1,715.74	1,533.91	181.83	9.436			
19,400.00	11,480.00	19,635.30	11,950.00	67.79	109.08	105.90	-7,167.67	237.18	1,715.74	1,531.86	183.88	9.331			
19,500.00	11,480.00	19,735.30	11,950.00	68.43	110.50	105.90	-7,267.67	237.62	1,715.73	1,529.80	185.93	9.228			
19,600.00	11,480.00	19,835.30	11,950.00	69.08	111.92	105.90	-7,367.67	238.06	1,715.73	1,527.74	187.99	9.127			
19,700.00	11,480.00	19,935.30	11,950.00	69.72	113.34	105.90	-7,467.67	238.50	1,715.73	1,525.68	190.05	9.028			
19,800.00	11,480.00	20,035.30	11,950.00	70.37	114.76	105.90	-7,567.67	238.95	1,715.72	1,523.62	192.11	8.931			
19,900.00	11,480.00	20,135.30	11,950.00	71.02	116.18	105.90	-7,667.67	239.39	1,715.72	1,521.55	194.17	8.836			
20,000.00	11,480.00	20,235.30	11,950.00	71.67	117.60	105.90	-7,767.67	239.83	1,715.72	1,519.48	196.24	8.743			
20,100.00	11,480.00	20,335.30	11,950.00	72.33	119.02	105.90	-7,867.67	240.27	1,715.71	1,517.41	198.31	8.652			
20,200.00	11,480.00	20,435.30	11,950.00	72.99	120.45	105.90	-7,967.66	240.71	1,715.71	1,515.34	200.38	8.562			
20,300.00	11,480.00	20,535.30	11,950.00	73.65	121.87	105.90	-8,067.66	241.15	1,715.71	1,513.26	202.45	8.475			
20,400.00	11,480.00	20,635.30	11,950.00	74.31	123.30	105.90	-8,167.66	241.60	1,715.70	1,511.18	204.52	8.389			
20,500.00	11,480.00	20,735.30	11,950.00	74.97	124.72	105.90	-8,267.66	242.04	1,715.70	1,509.10	206.60	8.304			

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - Millie Mile 13-24 Fed Com 801H - Wellbore #1 - Plan 3												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+HRGM												Offset Well Error:	0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,600.00	11,480.00	20,835.30	11,950.00	75.64	126.15	105.90	-8,367.66	242.48	1,715.70	1,507.02	208.68	8.222	
20,700.00	11,480.00	20,935.30	11,950.00	76.31	127.57	105.90	-8,467.66	242.92	1,715.70	1,504.94	210.76	8.141	
20,800.00	11,480.00	21,035.30	11,950.00	76.97	129.00	105.90	-8,567.66	243.36	1,715.69	1,502.85	212.84	8.061	
20,900.00	11,480.00	21,135.30	11,950.00	77.65	130.43	105.90	-8,667.66	243.80	1,715.69	1,500.76	214.93	7.983	
21,000.00	11,480.00	21,235.30	11,950.00	78.32	131.86	105.90	-8,767.66	244.24	1,715.69	1,498.67	217.01	7.906	
21,100.00	11,480.00	21,335.30	11,950.00	78.99	133.29	105.90	-8,867.66	244.69	1,715.68	1,496.58	219.10	7.831	
21,200.00	11,480.00	21,435.30	11,950.00	79.67	134.71	105.90	-8,967.65	245.13	1,715.68	1,494.49	221.19	7.757	
21,300.00	11,480.00	21,535.30	11,950.00	80.35	136.14	105.90	-9,067.65	245.57	1,715.68	1,492.39	223.28	7.684	
21,400.00	11,480.00	21,635.30	11,950.00	81.03	137.57	105.90	-9,167.65	246.01	1,715.67	1,490.30	225.38	7.613	
21,500.00	11,480.00	21,735.30	11,950.00	81.71	139.01	105.90	-9,267.65	246.45	1,715.67	1,488.20	227.47	7.542	
21,600.00	11,480.00	21,835.30	11,950.00	82.39	140.44	105.90	-9,367.65	246.89	1,715.67	1,486.10	229.57	7.474	
21,700.00	11,480.00	21,935.30	11,950.00	83.08	141.87	105.90	-9,467.65	247.34	1,715.66	1,484.00	231.66	7.406	
21,800.00	11,480.00	22,035.30	11,950.00	83.77	143.30	105.90	-9,567.65	247.78	1,715.66	1,481.90	233.76	7.339	
21,900.00	11,480.00	22,135.30	11,950.00	84.45	144.73	105.90	-9,667.65	248.22	1,715.66	1,479.79	235.86	7.274	
22,000.00	11,480.00	22,235.30	11,950.00	85.14	146.16	105.90	-9,767.65	248.66	1,715.65	1,477.69	237.96	7.210	
22,100.00	11,480.00	22,335.30	11,950.00	85.83	147.60	105.90	-9,867.65	249.10	1,715.65	1,475.58	240.07	7.147	
22,200.00	11,480.00	22,435.30	11,950.00	86.52	149.03	105.90	-9,967.64	249.54	1,715.65	1,473.47	242.17	7.084	
22,300.00	11,480.00	22,535.30	11,950.00	87.22	150.46	105.90	-10,067.64	249.98	1,715.64	1,471.37	244.28	7.023	
22,400.00	11,480.00	22,635.30	11,950.00	87.91	151.90	105.90	-10,167.64	250.43	1,715.64	1,469.26	246.38	6.963	
22,500.00	11,480.00	22,735.30	11,950.00	88.61	153.33	105.90	-10,267.64	250.87	1,715.64	1,467.14	248.49	6.904	
22,584.05	11,480.00	22,819.35	11,950.00	89.19	154.54	105.90	-10,351.69	251.24	1,715.63	1,465.37	250.26	6.855 SF	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 1BS FEDERAL COM 5H - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: Reference		0-MWD+IGRF Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.50 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,300.00	5,129.21	5,143.04	5,129.21	20.16	9.54	29.31	113.25	3,061.96	2,090.28	2,061.41	28.86	72.425		
5,400.00	5,223.40	5,237.23	5,223.40	20.64	9.65	29.76	113.25	3,061.96	2,060.64	2,031.27	29.38	70.148		
5,500.00	5,317.59	5,331.42	5,317.59	21.13	9.75	30.22	113.25	3,061.96	2,031.13	2,001.25	29.89	67.960		
5,600.00	5,411.78	5,425.61	5,411.78	21.62	9.86	30.70	113.25	3,061.96	2,001.75	1,971.36	30.39	65.859		
5,700.00	5,505.97	5,519.80	5,505.97	22.11	9.96	31.19	113.25	3,061.96	1,972.51	1,941.61	30.90	63.839		
5,800.00	5,600.16	5,613.99	5,600.16	22.60	10.06	31.69	113.25	3,061.96	1,943.40	1,912.00	31.40	61.896		
5,900.00	5,694.35	5,708.18	5,694.35	23.09	10.16	32.21	113.25	3,061.96	1,914.44	1,882.55	31.89	60.028		
6,000.00	5,788.55	5,802.38	5,788.55	23.59	10.27	32.75	113.25	3,061.96	1,885.63	1,853.25	32.38	58.232		
6,100.00	5,882.74	5,896.57	5,882.74	24.08	10.37	33.30	113.25	3,061.96	1,856.99	1,824.12	32.87	56.503		
6,200.00	5,976.93	5,990.76	5,976.93	24.58	10.47	33.86	113.25	3,061.96	1,828.51	1,795.17	33.34	54.839		
6,300.00	6,071.12	6,084.95	6,071.12	25.08	10.57	34.45	113.25	3,061.96	1,800.21	1,766.39	33.81	53.238		
6,400.00	6,165.31	6,179.14	6,165.31	25.58	10.67	35.05	113.25	3,061.96	1,772.09	1,737.81	34.28	51.696		
6,500.00	6,259.50	6,273.33	6,259.50	26.08	10.77	35.67	113.25	3,061.96	1,744.17	1,709.43	34.74	50.212		
6,600.00	6,353.69	6,367.52	6,353.69	26.58	10.87	36.31	113.25	3,061.96	1,716.45	1,681.26	35.18	48.784		
6,700.00	6,447.88	6,461.71	6,447.88	27.08	10.97	36.97	113.25	3,061.96	1,688.94	1,653.31	35.63	47.408		
6,800.00	6,542.07	6,555.90	6,542.07	27.58	11.07	37.66	113.25	3,061.96	1,661.66	1,625.60	36.06	46.085		
6,900.00	6,636.26	6,650.09	6,636.26	28.09	11.17	38.36	113.25	3,061.96	1,634.61	1,598.13	36.48	44.811		
7,000.00	6,730.45	6,744.28	6,730.45	28.59	11.27	39.09	113.25	3,061.96	1,607.80	1,570.92	36.89	43.585		
7,100.00	6,824.65	6,838.48	6,824.65	29.10	11.36	39.84	113.25	3,061.96	1,581.26	1,543.97	37.29	42.405		
7,200.00	6,918.84	6,932.67	6,918.84	29.61	11.46	40.61	113.25	3,061.96	1,554.99	1,517.31	37.68	41.271		
7,300.00	7,013.03	7,026.86	7,013.03	30.11	11.56	41.41	113.25	3,061.96	1,529.01	1,490.95	38.05	40.181		
7,400.00	7,107.22	7,121.05	7,107.22	30.62	11.66	42.23	113.25	3,061.96	1,503.32	1,464.91	38.42	39.133		
7,500.00	7,201.41	7,215.24	7,201.41	31.13	11.75	43.08	113.25	3,061.96	1,477.96	1,439.19	38.76	38.127		
7,600.00	7,295.60	7,309.43	7,295.60	31.64	11.85	43.93	113.25	3,061.96	1,452.93	1,413.84	39.09	37.166		
7,700.00	7,390.45	7,404.28	7,390.45	32.16	11.95	44.46	113.25	3,061.96	1,429.65	1,390.23	39.42	36.264		
7,800.00	7,486.35	7,500.18	7,486.35	32.72	12.04	44.95	113.25	3,061.96	1,409.10	1,369.32	39.78	35.421		
7,900.00	7,583.18	7,597.01	7,583.18	33.28	12.14	45.41	113.25	3,061.96	1,391.22	1,351.08	40.13	34.665		
8,000.00	7,680.82	7,694.65	7,680.82	33.82	12.24	45.81	113.25	3,061.96	1,375.94	1,335.46	40.48	33.992		
8,100.00	7,779.15	7,792.98	7,779.15	34.34	12.34	46.17	113.25	3,061.96	1,363.22	1,322.40	40.82	33.396		
8,200.00	7,878.06	7,891.89	7,878.06	34.84	12.44	46.47	113.25	3,061.96	1,353.00	1,311.84	41.16	32.873		
8,300.00	7,977.42	7,991.25	7,977.42	35.31	12.54	46.70	113.25	3,061.96	1,345.24	1,303.75	41.49	32.420		
8,400.00	8,077.11	8,090.94	8,077.11	35.74	12.64	46.87	113.25	3,061.96	1,339.91	1,298.08	41.83	32.036		
8,500.00	8,177.01	8,190.84	8,177.01	36.13	12.74	46.96	113.25	3,061.96	1,336.97	1,294.83	42.14	31.723		
8,600.00	8,277.00	8,290.83	8,277.00	36.25	12.84	115.21	113.25	3,061.96	1,336.34	1,294.02	42.32	31.579		
8,700.00	8,377.00	8,390.83	8,377.00	36.28	12.94	115.21	113.25	3,061.96	1,336.34	1,293.89	42.45	31.484		
8,800.00	8,477.00	8,490.83	8,477.00	36.30	13.04	115.21	113.25	3,061.96	1,336.34	1,293.76	42.58	31.386		
8,900.00	8,577.00	8,590.83	8,577.00	36.33	13.14	115.21	113.25	3,061.96	1,336.34	1,293.63	42.71	31.290		
9,000.00	8,677.00	8,690.83	8,677.00	36.36	13.23	115.21	113.25	3,061.96	1,336.34	1,293.50	42.84	31.194		
9,100.00	8,777.00	8,790.83	8,777.00	36.38	13.33	115.21	113.25	3,061.96	1,336.34	1,293.37	42.97	31.098		
9,200.00	8,877.00	8,890.83	8,877.00	36.41	13.43	115.21	113.25	3,061.96	1,336.34	1,293.24	43.10	31.003		
9,300.00	8,977.00	8,990.83	8,977.00	36.44	13.53	115.21	113.25	3,061.96	1,336.34	1,293.10	43.23	30.909		
9,400.00	9,077.00	9,090.83	9,077.00	36.46	13.63	115.21	113.25	3,061.96	1,336.34	1,292.97	43.37	30.815		
9,500.00	9,177.00	9,190.83	9,177.00	36.49	13.72	115.21	113.25	3,061.96	1,336.34	1,292.84	43.50	30.722		
9,600.00	9,277.00	9,290.83	9,277.00	36.52	14.24	117.07	105.41	2,982.06	1,330.55	1,289.84	40.71	32.680		
9,700.00	9,377.00	9,390.83	9,377.00	36.55	14.29	117.79	96.17	2,965.18	1,302.41	1,261.32	41.09	31.698		
9,800.00	9,477.00	9,490.83	9,477.00	36.57	14.36	118.53	85.55	2,951.11	1,278.83	1,237.34	41.50	30.818		
9,900.00	9,577.00	9,590.83	9,577.00	36.60	14.46	119.46	70.71	2,935.78	1,260.30	1,218.46	41.83	30.127		
10,000.00	9,677.00	9,690.83	9,677.00	36.63	14.52	120.11	59.80	2,926.40	1,247.20	1,204.91	42.29	29.493		
10,100.00	9,777.00	9,790.83	9,777.00	36.66	14.62	121.11	42.35	2,913.55	1,239.93	1,197.32	42.61	29.101		
10,163.37	9,840.37	9,850.00	9,840.37	36.68	14.66	121.54	34.54	2,908.44	1,238.53	1,195.66	42.87	28.888	CC, ES	
10,200.00	9,877.00	9,890.83	9,877.00	36.69	14.70	121.98	26.52	2,903.54	1,238.85	1,195.89	42.96	28.834		
10,300.00	9,977.00	9,990.83	9,977.00	36.72	14.79	122.82	10.65	2,894.68	1,244.17	1,200.86	43.31	28.727		

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 1BS FEDERAL COM 5H - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IGRF												Offset Well Error:	0.50 usft
Rule Assigned:												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	10,077.00	9,965.27	9,887.56	36.74	14.87	123.62	-4.97	2,886.87	1,255.99	1,212.35	43.64	28.778	
10,500.00	10,177.00	9,987.70	9,902.60	36.77	14.95	124.37	-20.14	2,880.01	1,274.31	1,230.35	43.96	28.987	
10,600.00	10,277.00	10,000.00	9,910.56	36.80	15.00	124.80	-28.78	2,876.37	1,299.09	1,254.75	44.33	29.303	
10,700.00	10,377.00	10,025.00	9,926.11	36.83	15.10	125.67	-47.02	2,869.29	1,329.84	1,285.28	44.56	29.845	
10,800.00	10,477.00	10,050.00	9,940.77	36.86	15.21	126.55	-66.13	2,862.61	1,366.54	1,321.78	44.76	30.532	
10,900.00	10,577.00	10,060.43	9,946.62	36.89	15.26	126.93	-74.35	2,859.96	1,408.65	1,363.60	45.05	31.271	
11,000.00	10,677.00	10,075.00	9,954.51	36.92	15.33	127.45	-86.06	2,856.37	1,455.87	1,410.59	45.28	32.154	
11,100.00	10,777.00	10,088.58	9,961.57	36.95	15.40	127.94	-97.21	2,853.17	1,507.76	1,462.26	45.50	33.139	
11,200.00	10,877.00	10,100.00	9,967.28	36.98	15.46	128.35	-106.76	2,850.58	1,563.90	1,518.19	45.72	34.209	
11,300.00	10,976.83	10,113.40	9,973.72	36.93	15.53	-47.23	-118.14	2,847.66	1,621.69	1,575.67	46.02	35.240	
11,400.00	11,074.52	10,125.00	9,979.05	36.81	15.60	-42.59	-128.15	2,845.24	1,673.83	1,627.21	46.62	35.905	
11,500.00	11,167.13	10,150.00	9,989.80	36.68	15.74	-38.78	-150.20	2,840.39	1,718.70	1,671.39	47.32	36.324	
11,600.00	11,251.83	10,162.27	9,994.68	36.55	15.82	-36.19	-161.23	2,838.19	1,755.19	1,706.98	48.21	36.410	
11,700.00	11,326.05	10,175.00	9,999.48	36.43	15.90	-34.37	-172.83	2,836.03	1,782.65	1,733.46	49.19	36.238	
11,800.00	11,387.54	10,200.00	10,008.07	36.33	16.06	-33.11	-195.98	2,832.18	1,800.30	1,750.08	50.21	35.852	
11,900.00	11,434.44	10,225.00	10,015.55	36.27	16.24	-32.53	-219.60	2,828.83	1,807.90	1,756.61	51.30	35.245	
12,000.00	11,465.31	10,250.00	10,021.89	36.24	16.42	-32.59	-243.61	2,826.02	1,805.26	1,752.85	52.41	34.445	
12,100.00	11,479.21	10,263.83	10,024.91	36.27	16.53	-33.30	-257.04	2,824.69	1,792.20	1,738.64	53.56	33.463	
12,200.00	11,480.00	10,275.00	10,027.09	36.33	16.62	-33.64	-267.96	2,823.73	1,772.71	1,718.14	54.57	32.483	
12,300.00	11,480.00	10,300.00	10,031.13	36.41	16.82	-33.66	-292.56	2,821.98	1,756.67	1,701.14	55.53	31.633	
12,400.00	11,480.00	10,325.00	10,033.99	36.51	17.03	-33.68	-317.37	2,820.77	1,745.05	1,688.56	56.49	30.891	
12,500.00	11,480.00	10,350.00	10,035.67	36.63	17.25	-33.69	-342.30	2,820.11	1,737.90	1,680.47	57.43	30.259	
12,600.00	11,480.00	10,372.82	10,036.16	36.76	17.46	-33.69	-365.11	2,819.99	1,735.25	1,676.90	58.35	29.738	
12,610.28	11,480.00	10,374.10	10,036.16	36.78	17.47	-33.69	-366.39	2,819.99	1,735.23	1,676.79	58.44	29.691	
12,700.00	11,480.00	10,463.82	10,036.16	36.91	18.37	-33.69	-456.11	2,820.40	1,735.24	1,675.95	59.29	29.267	
12,800.00	11,480.00	10,563.82	10,036.16	37.07	19.49	-33.69	-556.11	2,820.85	1,735.25	1,674.95	60.30	28.777	
12,900.00	11,480.00	10,663.82	10,036.16	37.25	20.74	-33.69	-656.11	2,821.30	1,735.25	1,673.87	61.39	28.268	
13,000.00	11,480.00	10,763.82	10,036.16	37.44	22.08	-33.69	-756.11	2,821.75	1,735.26	1,672.72	62.54	27.745	
13,100.00	11,480.00	10,863.82	10,036.16	37.64	23.51	-33.69	-856.10	2,822.20	1,735.27	1,671.50	63.76	27.214	
13,200.00	11,480.00	10,963.82	10,036.16	37.86	25.00	-33.69	-956.10	2,822.65	1,735.27	1,670.23	65.04	26.678	
13,300.00	11,480.00	11,063.82	10,036.16	38.09	26.55	-33.69	-1,056.10	2,823.11	1,735.28	1,668.90	66.38	26.142	
13,400.00	11,480.00	11,163.82	10,036.16	38.33	28.14	-33.69	-1,156.10	2,823.56	1,735.29	1,667.53	67.76	25.609	
13,500.00	11,480.00	11,263.82	10,036.16	38.58	29.78	-33.69	-1,256.10	2,824.01	1,735.30	1,666.11	69.19	25.080	
13,600.00	11,480.00	11,363.82	10,036.16	38.85	31.44	-33.69	-1,356.10	2,824.46	1,735.30	1,664.65	70.66	24.559	
13,700.00	11,480.00	11,463.82	10,036.16	39.13	33.14	-33.69	-1,456.10	2,824.91	1,735.31	1,663.15	72.16	24.047	
13,800.00	11,480.00	11,563.82	10,036.16	39.42	34.86	-33.69	-1,556.10	2,825.36	1,735.32	1,661.62	73.70	23.545	
13,900.00	11,480.00	11,663.82	10,036.16	39.72	36.59	-33.69	-1,656.10	2,825.81	1,735.32	1,660.05	75.27	23.054	
14,000.00	11,480.00	11,763.82	10,036.16	40.03	38.35	-33.69	-1,756.10	2,826.26	1,735.33	1,658.46	76.87	22.575	
14,100.00	11,480.00	11,863.82	10,036.16	40.35	40.12	-33.69	-1,856.09	2,826.72	1,735.34	1,656.85	78.49	22.108	
14,200.00	11,480.00	11,963.82	10,036.16	40.68	41.91	-33.69	-1,956.09	2,827.17	1,735.35	1,655.21	80.14	21.654	
14,300.00	11,480.00	12,063.82	10,036.16	41.03	43.70	-33.69	-2,056.09	2,827.62	1,735.35	1,653.55	81.81	21.213	
14,400.00	11,480.00	12,163.82	10,036.16	41.38	45.51	-33.69	-2,156.09	2,828.07	1,735.36	1,651.87	83.49	20.784	
14,500.00	11,480.00	12,263.82	10,036.16	41.74	47.32	-33.69	-2,256.09	2,828.52	1,735.37	1,650.17	85.20	20.369	
14,600.00	11,480.00	12,363.82	10,036.16	42.11	49.15	-33.70	-2,356.09	2,828.97	1,735.38	1,648.46	86.92	19.965	
14,700.00	11,480.00	12,463.82	10,036.16	42.50	50.98	-33.70	-2,456.09	2,829.42	1,735.38	1,646.73	88.66	19.574	
14,800.00	11,480.00	12,563.82	10,036.16	42.89	52.81	-33.70	-2,556.09	2,829.87	1,735.39	1,644.98	90.41	19.195	
14,900.00	11,480.00	12,663.82	10,036.16	43.29	54.66	-33.70	-2,656.09	2,830.33	1,735.40	1,643.23	92.17	18.828	
15,000.00	11,480.00	12,763.82	10,036.16	43.70	56.50	-33.70	-2,756.09	2,830.78	1,735.40	1,641.46	93.95	18.472	
15,100.00	11,480.00	12,863.82	10,036.16	44.11	58.36	-33.70	-2,856.08	2,831.23	1,735.41	1,639.68	95.73	18.127	
15,200.00	11,480.00	12,963.82	10,036.16	44.54	60.21	-33.70	-2,956.08	2,831.68	1,735.42	1,637.89	97.53	17.793	
15,300.00	11,480.00	13,063.82	10,036.16	44.97	62.07	-33.70	-3,056.08	2,832.13	1,735.43	1,636.09	99.34	17.469	
15,400.00	11,480.00	13,163.82	10,036.16	45.41	63.94	-33.70	-3,156.08	2,832.58	1,735.43	1,634.28	101.16	17.156	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 1BS FEDERAL COM 5H - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,500.00	11,480.00	13,263.82	10,036.16	45.86	65.81	-33.70	-3,256.08	2,833.03	1,735.44	1,632.46	102.98	16.852			
15,600.00	11,480.00	13,363.82	10,036.16	46.32	67.68	-33.70	-3,356.08	2,833.49	1,735.45	1,630.63	104.82	16.557			
15,700.00	11,480.00	13,463.82	10,036.16	46.79	69.55	-33.70	-3,456.08	2,833.94	1,735.46	1,628.80	106.66	16.271			
15,800.00	11,480.00	13,563.82	10,036.16	47.26	71.43	-33.70	-3,556.08	2,834.39	1,735.46	1,626.96	108.51	15.994			
15,900.00	11,480.00	13,663.82	10,036.16	47.74	73.31	-33.70	-3,656.08	2,834.84	1,735.47	1,625.11	110.36	15.726			
16,000.00	11,480.00	13,763.82	10,036.16	48.22	75.19	-33.70	-3,756.08	2,835.29	1,735.48	1,623.26	112.22	15.465			
16,100.00	11,480.00	13,863.82	10,036.16	48.72	77.07	-33.70	-3,856.07	2,835.74	1,735.48	1,621.40	114.09	15.212			
16,200.00	11,480.00	13,963.82	10,036.17	49.22	78.95	-33.70	-3,956.07	2,836.19	1,735.49	1,619.53	115.96	14.966			
16,300.00	11,480.00	14,063.82	10,036.17	49.72	80.84	-33.70	-4,056.07	2,836.64	1,735.50	1,617.66	117.84	14.728			
16,400.00	11,480.00	14,163.82	10,036.17	50.23	82.73	-33.70	-4,156.07	2,837.10	1,735.51	1,615.78	119.72	14.496			
16,500.00	11,480.00	14,263.82	10,036.17	50.75	84.62	-33.70	-4,256.07	2,837.55	1,735.51	1,613.90	121.61	14.271			
16,600.00	11,480.00	14,363.82	10,036.17	51.27	86.51	-33.70	-4,356.07	2,838.00	1,735.52	1,612.02	123.50	14.053			
16,700.00	11,480.00	14,463.82	10,036.17	51.80	88.40	-33.70	-4,456.07	2,838.45	1,735.53	1,610.13	125.40	13.840			
16,800.00	11,480.00	14,563.82	10,036.17	52.34	90.29	-33.70	-4,556.07	2,838.90	1,735.53	1,608.24	127.30	13.633			
16,900.00	11,480.00	14,663.82	10,036.17	52.88	92.19	-33.70	-4,656.07	2,839.35	1,735.54	1,606.34	129.20	13.433			
17,000.00	11,480.00	14,763.82	10,036.17	53.43	94.08	-33.70	-4,756.06	2,839.80	1,735.55	1,604.44	131.11	13.237			
17,100.00	11,480.00	14,863.82	10,036.17	53.98	95.98	-33.70	-4,856.06	2,840.25	1,735.56	1,602.53	133.03	13.047			
17,200.00	11,480.00	14,963.82	10,036.17	54.53	97.88	-33.70	-4,956.06	2,840.71	1,735.56	1,600.62	134.94	12.862			
17,300.00	11,480.00	15,063.82	10,036.17	55.09	99.78	-33.70	-5,056.06	2,841.16	1,735.57	1,598.71	136.86	12.681			
17,400.00	11,480.00	15,163.82	10,036.17	55.66	101.67	-33.71	-5,156.06	2,841.61	1,735.58	1,596.80	138.78	12.506			
17,500.00	11,480.00	15,263.82	10,036.17	56.23	103.57	-33.71	-5,256.06	2,842.06	1,735.59	1,594.88	140.71	12.335			
17,600.00	11,480.00	15,363.82	10,036.17	56.80	105.48	-33.71	-5,356.06	2,842.51	1,735.59	1,592.96	142.63	12.168			
17,700.00	11,480.00	15,463.82	10,036.17	57.38	107.38	-33.71	-5,456.06	2,842.96	1,735.60	1,591.04	144.56	12.006			
17,800.00	11,480.00	15,563.82	10,036.17	57.97	109.28	-33.71	-5,556.06	2,843.41	1,735.61	1,589.11	146.50	11.847			
17,900.00	11,480.00	15,663.82	10,036.17	58.55	111.18	-33.71	-5,656.06	2,843.86	1,735.61	1,587.18	148.43	11.693			
18,000.00	11,480.00	15,763.82	10,036.17	59.15	113.09	-33.71	-5,756.05	2,844.32	1,735.62	1,585.25	150.37	11.542			
18,100.00	11,480.00	15,863.82	10,036.17	59.74	114.99	-33.71	-5,856.05	2,844.77	1,735.63	1,583.32	152.31	11.395			
18,200.00	11,480.00	15,963.82	10,036.17	60.34	116.89	-33.71	-5,956.05	2,845.22	1,735.64	1,581.38	154.26	11.252			
18,300.00	11,480.00	16,063.82	10,036.17	60.94	118.80	-33.71	-6,056.05	2,845.67	1,735.64	1,579.44	156.20	11.112			
18,400.00	11,480.00	16,163.82	10,036.17	61.55	120.71	-33.71	-6,156.05	2,846.12	1,735.65	1,577.50	158.15	10.975			
18,500.00	11,480.00	16,263.82	10,036.17	62.16	122.61	-33.71	-6,256.05	2,846.57	1,735.66	1,575.56	160.10	10.841			
18,600.00	11,480.00	16,363.82	10,036.17	62.77	124.52	-33.71	-6,356.05	2,847.02	1,735.67	1,573.62	162.05	10.711			
18,700.00	11,480.00	16,463.82	10,036.17	63.39	126.43	-33.71	-6,456.05	2,847.47	1,735.67	1,571.67	164.00	10.583			
18,800.00	11,480.00	16,563.82	10,036.17	64.01	128.33	-33.71	-6,556.05	2,847.93	1,735.68	1,569.72	165.95	10.459			
18,900.00	11,480.00	16,663.82	10,036.17	64.63	130.24	-33.71	-6,656.05	2,848.38	1,735.69	1,567.78	167.91	10.337			
19,000.00	11,480.00	16,763.82	10,036.17	65.26	132.15	-33.71	-6,756.04	2,848.83	1,735.69	1,565.82	169.87	10.218			
19,100.00	11,480.00	16,863.82	10,036.17	65.89	134.06	-33.71	-6,856.04	2,849.28	1,735.70	1,563.87	171.83	10.101			
19,200.00	11,480.00	16,963.82	10,036.17	66.52	135.97	-33.71	-6,956.04	2,849.73	1,735.71	1,561.92	173.79	9.987			
19,300.00	11,480.00	17,063.82	10,036.17	67.16	137.88	-33.71	-7,056.04	2,850.18	1,735.72	1,559.96	175.75	9.876			
19,400.00	11,480.00	17,163.82	10,036.17	67.79	139.79	-33.71	-7,156.04	2,850.63	1,735.72	1,558.01	177.72	9.767			
19,500.00	11,480.00	17,263.82	10,036.17	68.43	141.70	-33.71	-7,256.04	2,851.09	1,735.73	1,556.05	179.68	9.660			
19,600.00	11,480.00	17,363.82	10,036.17	69.08	143.61	-33.71	-7,356.04	2,851.54	1,735.74	1,554.09	181.65	9.555			
19,700.00	11,480.00	17,463.82	10,036.17	69.72	145.52	-33.71	-7,456.04	2,851.99	1,735.75	1,552.13	183.62	9.453			
19,800.00	11,480.00	17,563.82	10,036.17	70.37	147.43	-33.71	-7,556.04	2,852.44	1,735.75	1,550.16	185.59	9.353			
19,900.00	11,480.00	17,663.82	10,036.17	71.02	149.34	-33.71	-7,656.04	2,852.89	1,735.76	1,548.20	187.56	9.254			
20,000.00	11,480.00	17,763.82	10,036.17	71.67	151.25	-33.71	-7,756.03	2,853.34	1,735.77	1,546.23	189.53	9.158			
20,100.00	11,480.00	17,863.82	10,036.17	72.33	153.16	-33.72	-7,856.03	2,853.79	1,735.77	1,544.27	191.51	9.064			
20,200.00	11,480.00	17,963.82	10,036.17	72.99	155.07	-33.72	-7,956.03	2,854.24	1,735.78	1,542.30	193.48	8.971			
20,300.00	11,480.00	18,063.82	10,036.17	73.65	156.99	-33.72	-8,056.03	2,854.70	1,735.79	1,540.33	195.46	8.881			
20,400.00	11,480.00	18,163.82	10,036.17	74.31	158.90	-33.72	-8,156.03	2,855.15	1,735.80	1,538.36	197.43	8.792			
20,500.00	11,480.00	18,263.82	10,036.17	74.97	160.81	-33.72	-8,256.03	2,855.60	1,735.80	1,536.39	199.41	8.705			
20,600.00	11,480.00	18,363.82	10,036.17	75.64	162.72	-33.72	-8,356.03	2,856.05	1,735.81	1,534.42	201.39	8.619			

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 1BS FEDERAL COM 5H - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+IGRF													Offset Well Error: 0.50 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
20,700.00	11,480.00	18,463.82	10,036.17	76.31	164.64	-33.72	-8,456.03	2,856.50	1,735.82	1,532.45	203.37	8.535	
20,800.00	11,480.00	18,563.82	10,036.17	76.97	166.55	-33.72	-8,556.03	2,856.95	1,735.82	1,530.47	205.35	8.453	
20,900.00	11,480.00	18,663.82	10,036.17	77.65	168.46	-33.72	-8,656.03	2,857.40	1,735.83	1,528.50	207.33	8.372	
21,000.00	11,480.00	18,763.82	10,036.17	78.32	170.38	-33.72	-8,756.02	2,857.85	1,735.84	1,526.52	209.31	8.293	
21,100.00	11,480.00	18,863.82	10,036.17	78.99	172.29	-33.72	-8,856.02	2,858.31	1,735.85	1,524.55	211.30	8.215	
21,200.00	11,480.00	18,963.82	10,036.17	79.67	174.20	-33.72	-8,956.02	2,858.76	1,735.85	1,522.57	213.28	8.139	
21,300.00	11,480.00	19,063.82	10,036.17	80.35	176.12	-33.72	-9,056.02	2,859.21	1,735.86	1,520.59	215.27	8.064	
21,400.00	11,480.00	19,163.82	10,036.17	81.03	178.03	-33.72	-9,156.02	2,859.66	1,735.87	1,518.61	217.25	7.990	
21,500.00	11,480.00	19,263.82	10,036.17	81.71	179.95	-33.72	-9,256.02	2,860.11	1,735.88	1,516.63	219.24	7.918	
21,600.00	11,480.00	19,363.82	10,036.17	82.39	181.86	-33.72	-9,356.02	2,860.56	1,735.88	1,514.65	221.23	7.847	
21,700.00	11,480.00	19,463.82	10,036.17	83.08	183.78	-33.72	-9,456.02	2,861.01	1,735.89	1,512.67	223.22	7.777	
21,800.00	11,480.00	19,563.82	10,036.17	83.77	185.69	-33.72	-9,556.02	2,861.46	1,735.90	1,510.69	225.21	7.708	
21,900.00	11,480.00	19,663.82	10,036.17	84.45	187.61	-33.72	-9,656.02	2,861.92	1,735.90	1,508.71	227.20	7.641	
22,000.00	11,480.00	19,763.82	10,036.17	85.14	189.52	-33.72	-9,756.01	2,862.37	1,735.91	1,506.72	229.19	7.574	
22,100.00	11,480.00	19,863.82	10,036.17	85.83	191.44	-33.72	-9,856.01	2,862.82	1,735.92	1,504.74	231.18	7.509	
22,200.00	11,480.00	19,963.82	10,036.17	86.52	193.35	-33.72	-9,956.01	2,863.27	1,735.93	1,502.76	233.17	7.445	
22,300.00	11,480.00	20,063.82	10,036.17	87.22	195.27	-33.72	-10,056.01	2,863.72	1,735.93	1,500.77	235.16	7.382	
22,400.00	11,480.00	20,070.24	10,036.17	87.91	195.39	-33.72	-10,062.43	2,863.75	1,738.46	1,502.16	236.30	7.357 SF	
22,500.00	11,480.00	20,070.24	10,036.17	88.61	195.39	-33.72	-10,062.43	2,863.75	1,746.71	1,510.05	236.66	7.381	
22,584.05	11,480.00	20,070.24	10,036.17	89.19	195.39	-33.72	-10,062.43	2,863.75	1,758.01	1,521.61	236.40	7.436	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 2BS FEDERAL COM 10H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft	
Survey Program:		156-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,900.00	5,694.35	5,803.27	5,771.70	23.09	16.78	21.56	469.04	3,265.10	2,096.69	2,061.90	34.78	60.279			
6,000.00	5,788.55	5,885.33	5,853.65	23.59	17.06	21.77	471.94	3,262.15	2,061.91	2,026.39	35.53	58.039			
6,100.00	5,882.74	5,990.07	5,958.11	24.08	17.46	21.96	478.67	3,258.64	2,027.46	1,991.22	36.24	55.942			
6,200.00	5,976.93	6,088.22	6,055.90	24.58	17.83	22.11	486.14	3,254.63	1,992.33	1,955.42	36.91	53.974			
6,300.00	6,071.12	6,182.82	6,150.15	25.08	18.17	22.26	493.21	3,250.73	1,957.18	1,919.60	37.58	52.085			
6,400.00	6,165.31	6,275.00	6,242.00	25.58	18.50	22.42	499.94	3,246.93	1,922.03	1,883.78	38.25	50.253			
6,500.00	6,259.50	6,408.49	6,375.00	26.08	18.98	22.68	509.06	3,240.09	1,885.96	1,847.09	38.87	48.514			
6,600.00	6,353.69	6,506.94	6,473.05	26.58	19.33	22.89	515.45	3,233.79	1,848.72	1,809.14	39.58	46.708			
6,700.00	6,447.88	6,598.82	6,564.54	27.08	19.66	23.10	521.43	3,227.82	1,811.41	1,771.12	40.29	44.955			
6,800.00	6,542.07	6,688.58	6,653.93	27.58	19.98	23.31	527.04	3,222.06	1,774.20	1,733.19	41.02	43.257			
6,900.00	6,636.26	6,775.40	6,740.44	28.09	20.29	23.54	532.26	3,216.75	1,737.28	1,695.54	41.74	41.617			
7,000.00	6,730.45	6,866.85	6,831.56	28.59	20.62	23.79	537.74	3,211.31	1,700.56	1,658.10	42.46	40.047			
7,100.00	6,824.65	6,958.11	6,922.50	29.10	20.95	24.05	543.17	3,202.97	1,663.96	1,620.77	43.19	38.530			
7,200.00	6,918.84	7,051.32	7,015.39	29.61	21.28	24.33	548.63	3,200.52	1,627.39	1,583.49	43.90	37.067			
7,300.00	7,013.03	7,139.00	7,102.79	30.11	21.59	24.61	553.64	3,195.58	1,591.05	1,546.41	44.64	35.640			
7,400.00	7,107.22	7,231.35	7,194.86	30.62	21.92	24.92	558.79	3,190.53	1,554.92	1,509.55	45.36	34.277			
7,500.00	7,201.41	7,323.92	7,287.15	31.13	22.25	25.25	563.84	3,185.45	1,518.81	1,472.72	46.09	32.955			
7,600.00	7,295.60	7,414.93	7,377.90	31.64	22.57	25.57	568.69	3,180.52	1,482.83	1,436.01	46.82	31.673			
7,700.00	7,390.45	7,504.34	7,467.06	32.16	22.88	25.58	573.35	3,175.85	1,448.80	1,401.23	47.57	30.458			
7,800.00	7,486.35	7,593.94	7,556.44	32.72	23.19	25.59	577.77	3,171.46	1,418.10	1,369.74	48.36	29.325			
7,900.00	7,583.18	7,684.33	7,646.65	33.28	23.50	25.60	581.82	3,167.36	1,390.82	1,341.68	49.14	28.303			
8,000.00	7,680.82	7,777.96	7,740.11	33.82	23.82	25.60	585.73	3,163.42	1,366.92	1,317.03	49.90	27.395			
8,100.00	7,779.15	7,871.84	7,833.84	34.34	24.13	25.58	589.51	3,159.68	1,346.35	1,295.72	50.64	26.589			
8,200.00	7,878.06	7,970.88	7,932.74	34.84	24.46	25.55	593.24	3,155.87	1,329.03	1,277.70	51.33	25.889			
8,300.00	7,977.42	8,060.30	8,022.04	35.31	24.75	25.48	596.59	3,152.68	1,315.10	1,263.05	52.05	25.266			
8,400.00	8,077.11	8,152.81	8,114.44	35.74	25.05	25.38	600.14	3,150.02	1,304.98	1,252.27	52.70	24.762			
8,500.00	8,177.01	8,253.26	8,214.78	36.13	25.38	25.24	604.03	3,147.40	1,298.25	1,245.00	53.26	24.377			
8,600.00	8,277.00	8,356.20	8,317.62	36.25	25.71	93.31	607.72	3,144.55	1,294.43	1,240.86	53.57	24.162			
8,700.00	8,377.00	8,502.47	8,463.50	36.28	26.28	93.03	614.52	3,136.60	1,288.39	1,234.70	53.69	23.996			
8,800.00	8,477.00	8,603.17	8,563.86	36.30	26.65	92.82	619.56	3,130.13	1,281.72	1,227.70	54.02	23.726			
8,900.00	8,577.00	8,697.04	8,657.44	36.33	26.98	92.65	623.68	3,124.07	1,275.06	1,220.68	54.38	23.448			
9,000.00	8,677.00	8,790.13	8,750.22	36.36	27.31	92.41	629.20	3,118.74	1,269.07	1,214.34	54.73	23.190			
9,100.00	8,777.00	8,884.14	8,843.96	36.38	27.65	92.18	634.40	3,113.74	1,263.52	1,208.47	55.05	22.952			
9,200.00	8,877.00	8,984.03	8,943.53	36.41	28.04	91.92	640.46	3,108.76	1,258.31	1,202.96	55.35	22.734			
9,300.00	8,977.00	9,086.19	9,045.16	36.44	28.46	91.51	649.43	3,103.56	1,252.94	1,197.31	55.63	22.524			
9,400.00	9,077.00	9,181.29	9,139.81	36.46	28.83	91.16	657.26	3,098.73	1,247.65	1,191.74	55.92	22.313			
9,500.00	9,177.00	9,279.56	9,237.70	36.49	29.20	90.83	664.51	3,094.03	1,242.73	1,186.55	56.18	22.121			
9,600.00	9,277.00	9,371.02	9,322.03	36.52	30.15	91.75	645.99	3,050.13	1,222.58	1,166.88	55.70	21.949			
9,700.00	9,377.00	9,597.00	9,546.48	36.55	30.19	92.11	638.45	3,045.68	1,205.56	1,148.89	56.66	21.275			
9,800.00	9,477.00	9,618.28	9,566.50	36.57	30.21	92.44	631.63	3,043.28	1,194.81	1,137.21	57.59	20.745			
9,900.00	9,577.00	9,644.00	9,590.60	36.60	30.24	92.87	622.78	3,041.98	1,190.64	1,132.26	58.38	20.394			
9,913.60	9,590.60	9,644.00	9,590.60	36.61	30.24	92.87	622.78	3,041.98	1,190.56	1,132.09	58.47	20.362	CC, ES		
10,000.00	9,677.00	9,671.12	9,615.72	36.63	30.20	93.36	612.58	3,042.09	1,192.80	1,133.87	58.93	20.241			
10,100.00	9,777.00	9,705.66	9,647.06	36.66	30.13	94.05	598.15	3,043.74	1,200.86	1,141.59	59.28	20.259			
10,200.00	9,877.00	9,737.00	9,674.78	36.69	30.06	94.73	583.75	3,046.26	1,214.38	1,154.96	59.42	20.437			
10,300.00	9,977.00	9,785.00	9,715.65	36.72	29.95	95.88	559.12	3,051.23	1,232.67	1,173.29	59.38	20.758			
10,400.00	10,077.00	9,832.58	9,753.42	36.74	29.87	97.18	530.78	3,056.87	1,255.88	1,196.61	59.26	21.191			
10,500.00	10,177.00	9,976.60	9,853.06	36.77	29.62	101.85	427.67	3,067.20	1,282.32	1,223.28	59.04	21.718			
10,600.00	10,277.00	10,029.57	9,885.50	36.80	29.56	103.73	385.81	3,067.28	1,309.95	1,251.14	58.81	22.273			
10,700.00	10,377.00	10,078.45	9,913.60	36.83	29.51	105.50	345.82	3,066.72	1,342.16	1,283.67	58.49	22.948			
10,800.00	10,477.00	10,113.00	9,932.95	36.86	29.48	106.75	317.20	3,066.27	1,379.00	1,320.91	58.09	23.738			
10,900.00	10,577.00	10,137.36	9,946.19	36.89	29.48	107.64	296.75	3,066.19	1,420.83	1,363.18	57.65	24.645			

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 2BS FEDERAL COM 10H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft	
Survey Program:		156-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.50 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
11,000.00	10,677.00	10,159.00	9,957.39	36.92	29.47	108.42	278.24	3,066.49	1,467.66	1,410.49	57.17	25.673			
11,100.00	10,777.00	10,159.00	9,957.39	36.95	29.47	108.42	278.24	3,066.49	1,519.19	1,462.52	56.67	26.809			
11,200.00	10,877.00	10,178.48	9,966.79	36.98	29.48	109.14	261.19	3,067.05	1,574.84	1,518.64	56.20	28.023			
11,300.00	10,976.83	10,205.00	9,978.07	36.93	29.49	-65.05	237.23	3,068.25	1,633.70	1,577.90	55.80	29.279			
11,400.00	11,074.52	10,205.00	9,978.07	36.81	29.49	-59.06	237.23	3,068.25	1,689.84	1,634.31	55.53	30.432			
11,500.00	11,167.13	10,205.00	9,978.07	36.68	29.49	-53.88	237.23	3,068.25	1,742.63	1,687.24	55.39	31.462			
11,600.00	11,251.83	10,233.47	9,988.41	36.55	29.53	-49.19	210.77	3,070.04	1,789.80	1,734.30	55.50	32.249			
11,700.00	11,326.05	10,252.00	9,994.24	36.43	29.55	-45.70	193.24	3,071.47	1,830.55	1,774.84	55.71	32.857			
11,800.00	11,387.54	10,283.17	10,002.76	36.33	29.60	-43.05	163.36	3,074.01	1,863.49	1,807.30	56.20	33.160			
11,900.00	11,434.44	10,332.00	10,013.26	36.27	29.69	-41.22	115.84	3,077.83	1,887.80	1,830.87	56.92	33.163			
12,000.00	11,465.31	10,343.00	10,015.05	36.24	29.72	-40.26	105.02	3,078.67	1,902.31	1,844.89	57.42	33.130			
12,100.00	11,479.21	10,373.25	10,018.59	36.27	29.80	-39.96	75.05	3,080.63	1,907.62	1,849.58	58.04	32.865			
12,200.00	11,480.00	10,467.48	10,024.30	36.33	30.11	-40.15	-18.94	3,084.06	1,905.59	1,846.72	58.87	32.367			
12,300.00	11,480.00	10,533.22	10,028.40	36.41	30.36	-40.27	-84.52	3,086.22	1,902.83	1,843.24	59.59	31.934			
12,345.25	11,480.00	10,556.88	10,029.38	36.46	30.45	-40.31	-108.14	3,087.12	1,902.38	1,842.49	59.89	31.764			
12,400.00	11,480.00	10,589.22	10,030.26	36.51	30.59	-40.36	-140.44	3,088.46	1,902.53	1,842.25	60.28	31.563			
12,500.00	11,480.00	10,705.34	10,031.82	36.63	31.17	-40.45	-256.50	3,091.71	1,903.06	1,841.84	61.22	31.084			
12,600.00	11,480.00	10,896.33	10,036.62	36.76	32.38	-40.51	-447.41	3,091.20	1,900.78	1,838.25	62.52	30.401			
12,700.00	11,480.00	10,998.27	10,042.14	36.91	33.15	-40.57	-549.18	3,089.60	1,895.35	1,831.69	63.66	29.774			
12,800.00	11,480.00	11,089.66	10,043.95	37.07	33.94	-40.52	-640.48	3,086.15	1,891.06	1,826.23	64.83	29.170			
12,900.00	11,480.00	11,203.01	10,047.49	37.25	35.01	-40.47	-753.69	3,081.55	1,885.72	1,819.58	66.13	28.514			
13,000.00	11,480.00	11,280.97	10,050.15	37.44	35.80	-40.47	-831.56	3,079.29	1,880.97	1,813.67	67.31	27.947			
13,100.00	11,480.00	11,353.38	10,051.34	37.64	36.57	-40.44	-903.93	3,077.30	1,877.65	1,809.16	68.49	27.414			
13,200.00	11,480.00	11,429.00	10,051.51	37.86	37.43	-40.39	-979.54	3,075.62	1,875.74	1,806.02	69.73	26.901			
13,300.00	11,480.00	11,508.93	10,051.15	38.09	38.38	-40.36	-1,059.46	3,074.67	1,875.02	1,804.00	71.03	26.399			
13,380.02	11,480.00	11,584.62	10,051.25	38.28	39.32	-40.36	-1,135.14	3,075.05	1,874.97	1,802.79	72.18	25.976			
13,400.00	11,480.00	11,604.16	10,051.51	38.33	39.56	-40.37	-1,154.67	3,075.45	1,874.98	1,802.49	72.48	25.869			
13,500.00	11,480.00	11,679.77	10,052.72	38.58	40.53	-40.44	-1,230.24	3,077.76	1,875.50	1,801.64	73.86	25.394			
13,600.00	11,480.00	11,751.32	10,052.69	38.85	41.48	-40.50	-1,301.74	3,080.59	1,877.75	1,802.52	75.23	24.959			
13,700.00	11,480.00	11,839.29	10,052.04	39.13	42.67	-40.57	-1,389.62	3,084.57	1,880.96	1,804.21	76.75	24.506			
13,800.00	11,480.00	12,082.47	10,054.90	39.42	46.26	-40.73	-1,632.62	3,089.94	1,882.06	1,802.66	79.40	23.704			
13,900.00	11,480.00	12,166.10	10,057.55	39.72	47.55	-40.74	-1,716.19	3,088.56	1,878.30	1,797.32	80.98	23.194			
14,000.00	11,480.00	12,262.45	10,059.29	40.03	49.05	-40.71	-1,812.50	3,086.45	1,875.22	1,792.57	82.65	22.689			
14,100.00	11,480.00	12,340.01	10,059.54	40.35	50.28	-40.65	-1,890.03	3,084.04	1,872.68	1,788.46	84.22	22.237			
14,200.00	11,480.00	12,429.55	10,058.02	40.68	51.72	-40.54	-1,979.49	3,080.74	1,871.27	1,785.43	85.84	21.799			
14,300.00	11,480.00	12,616.80	10,065.44	41.03	54.78	-40.59	-2,166.46	3,077.37	1,866.08	1,777.95	88.13	21.175			
14,400.00	11,480.00	12,701.49	10,070.51	41.38	56.19	-40.66	-2,250.98	3,076.39	1,860.49	1,770.63	89.86	20.703			
14,500.00	11,480.00	12,775.71	10,074.22	41.74	57.44	-40.71	-2,325.11	3,075.76	1,855.90	1,764.35	91.55	20.271			
14,600.00	11,480.00	12,839.00	10,076.49	42.11	58.51	-40.76	-2,388.36	3,075.94	1,853.10	1,759.92	93.19	19.886			
14,700.00	11,480.00	12,908.43	10,078.22	42.50	59.70	-40.81	-2,457.75	3,077.20	1,852.11	1,757.25	94.86	19.524			
14,708.38	11,480.00	12,914.19	10,078.35	42.53	59.80	-40.82	-2,463.51	3,077.36	1,852.11	1,757.10	95.00	19.495			
14,800.00	11,480.00	12,980.61	10,079.45	42.89	60.94	-40.89	-2,529.89	3,079.66	1,852.76	1,756.19	96.56	19.187			
14,900.00	11,480.00	13,072.88	10,080.24	43.29	62.53	-40.99	-2,622.06	3,083.65	1,854.64	1,756.21	98.43	18.842			
15,000.00	11,480.00	13,310.30	10,094.96	43.70	66.65	-41.52	-2,858.66	3,094.52	1,852.66	1,751.20	101.46	18.259			
15,100.00	11,480.00	13,406.88	10,104.63	44.11	68.34	-41.77	-2,954.71	3,097.39	1,846.85	1,743.35	103.50	17.844			
15,200.00	11,480.00	13,480.00	10,107.37	44.54	69.64	-41.79	-3,027.75	3,096.04	1,842.44	1,737.13	105.31	17.495			
15,300.00	11,480.00	13,534.83	10,107.74	44.97	70.62	-41.76	-3,082.56	3,094.69	1,839.88	1,732.89	106.98	17.198			
15,400.00	11,480.00	13,619.83	10,106.17	45.41	72.14	-41.67	-3,167.52	3,092.53	1,839.20	1,730.41	108.78	16.907			
15,500.00	11,480.00	13,732.54	10,104.64	45.86	74.16	-41.55	-3,280.18	3,089.35	1,838.03	1,727.29	110.74	16.598			
15,600.00	11,480.00	13,837.50	10,104.37	46.32	76.05	-41.48	-3,385.11	3,087.14	1,836.54	1,723.87	112.67	16.299			
15,700.00	11,480.00	13,936.42	10,104.90	46.79	77.83	-41.45	-3,484.02	3,085.74	1,834.91	1,720.30	114.60	16.011			
15,800.00	11,480.00	14,028.73	10,106.01	47.26	79.51	-41.46	-3,576.32	3,085.46	1,833.52	1,716.99	116.53	15.734			

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 2BS FEDERAL COM 10H - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft	
Survey Program: 156-MWD+IGRF		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error: 0.50 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,900.00	11,480.00	14,117.62	10,107.30	47.74	81.12	-41.49	-3,665.20	3,086.14	1,832.65	1,714.19	118.46	15.471		
15,977.27	11,480.00	14,184.81	10,108.47	48.11	82.34	-41.54	-3,732.37	3,087.47	1,832.43	1,712.47	119.96	15.275		
16,000.00	11,480.00	14,204.43	10,108.82	48.22	82.70	-41.56	-3,751.98	3,087.97	1,832.45	1,712.05	120.40	15.219		
16,100.00	11,480.00	14,296.18	10,110.47	48.72	84.38	-41.65	-3,843.66	3,090.85	1,832.90	1,710.49	122.41	14.974		
16,200.00	11,480.00	14,388.00	10,112.41	49.22	86.06	-41.77	-3,935.39	3,094.56	1,833.72	1,709.28	124.44	14.736		
16,300.00	11,480.00	14,590.93	10,119.80	49.72	89.82	-42.03	-4,138.05	3,100.24	1,833.19	1,705.96	127.23	14.408		
16,400.00	11,480.00	14,656.57	10,122.28	50.23	91.04	-42.05	-4,203.64	3,099.16	1,829.20	1,700.07	129.13	14.166		
16,497.02	11,480.00	14,705.00	10,122.72	50.74	91.95	-42.05	-4,252.07	3,098.89	1,827.90	1,697.08	130.83	13.972		
16,500.00	11,480.00	14,705.00	10,122.72	50.75	91.95	-42.05	-4,252.07	3,098.89	1,827.91	1,697.04	130.87	13.968		
16,600.00	11,480.00	14,791.00	10,121.85	51.27	93.54	-42.03	-4,338.06	3,098.89	1,828.38	1,695.59	132.79	13.769		
16,700.00	11,480.00	14,894.37	10,119.80	51.80	95.45	-41.96	-4,441.40	3,098.44	1,829.27	1,694.47	134.80	13.571		
16,800.00	11,480.00	14,987.00	10,117.52	52.34	97.16	-41.88	-4,534.01	3,097.59	1,830.19	1,693.48	136.71	13.387		
16,900.00	11,480.00	15,082.00	10,115.18	52.88	98.92	-41.82	-4,628.98	3,097.15	1,831.43	1,692.77	138.66	13.208		
17,000.00	11,480.00	15,175.00	10,113.04	53.43	100.64	-41.77	-4,721.95	3,097.57	1,833.15	1,692.54	140.61	13.037		
17,100.00	11,480.00	15,270.00	10,111.22	53.98	102.41	-41.75	-4,816.93	3,098.58	1,835.00	1,692.41	142.60	12.868		
17,200.00	11,480.00	15,504.65	10,120.74	54.53	106.81	-41.97	-5,051.10	3,100.74	1,830.79	1,685.22	145.57	12.577		
17,300.00	11,480.00	15,555.78	10,122.67	55.09	107.76	-42.00	-5,102.19	3,100.19	1,826.93	1,679.44	147.49	12.387		
17,400.00	11,480.00	15,660.15	10,125.86	55.66	109.71	-42.05	-5,206.51	3,099.98	1,824.23	1,674.60	149.63	12.192		
17,500.00	11,480.00	15,769.92	10,130.83	56.23	111.76	-42.16	-5,316.16	3,101.03	1,821.23	1,669.39	151.84	11.994		
17,600.00	11,480.00	15,866.90	10,136.77	56.80	113.57	-42.32	-5,412.94	3,102.73	1,817.58	1,663.53	154.05	11.799		
17,700.00	11,480.00	15,929.00	10,140.02	57.38	114.73	-42.42	-5,474.94	3,104.38	1,815.29	1,659.23	156.06	11.632		
17,800.00	11,480.00	16,022.00	10,143.58	57.97	116.48	-42.55	-5,567.82	3,107.22	1,814.24	1,656.01	158.24	11.465		
17,900.00	11,480.00	16,111.67	10,146.40	58.55	118.16	-42.67	-5,657.40	3,110.22	1,813.90	1,653.51	160.39	11.310		
18,000.00	11,480.00	16,233.48	10,150.12	59.15	120.45	-42.82	-5,779.10	3,113.58	1,813.24	1,650.50	162.75	11.141		
18,100.00	11,480.00	16,346.35	10,153.42	59.74	122.57	-42.90	-5,891.92	3,114.42	1,811.27	1,646.29	164.99	10.978		
18,200.00	11,480.00	16,431.59	10,155.36	60.34	124.17	-42.94	-5,977.14	3,114.73	1,809.56	1,642.50	167.06	10.832		
18,296.55	11,480.00	16,506.01	10,156.41	60.92	125.57	-42.97	-6,051.54	3,115.47	1,808.94	1,639.94	169.00	10.704		
18,300.00	11,480.00	16,508.48	10,156.43	60.94	125.62	-42.97	-6,054.01	3,115.50	1,808.94	1,639.87	169.07	10.699		
18,400.00	11,480.00	16,586.00	10,156.56	61.55	127.08	-43.00	-6,131.52	3,117.01	1,809.80	1,638.74	171.06	10.580		
18,500.00	11,480.00	16,656.41	10,155.77	62.16	128.41	-43.02	-6,201.90	3,118.89	1,812.08	1,639.12	172.96	10.477		
18,600.00	11,480.00	16,928.37	10,163.76	62.77	133.54	-43.14	-6,473.59	3,117.75	1,807.77	1,631.78	175.99	10.272		
18,700.00	11,480.00	17,020.39	10,169.26	63.39	135.27	-43.19	-6,565.40	3,115.12	1,801.17	1,623.01	178.16	10.110		
18,800.00	11,480.00	17,099.95	10,171.68	64.01	136.77	-43.15	-6,644.84	3,111.57	1,795.60	1,615.39	180.21	9.964		
18,900.00	11,480.00	17,184.93	10,172.71	64.63	138.37	-43.07	-6,729.72	3,107.49	1,791.11	1,608.91	182.21	9.830		
19,000.00	11,480.00	17,284.55	10,174.26	65.26	140.25	-43.00	-6,829.25	3,103.64	1,787.04	1,602.80	184.24	9.699		
19,100.00	11,480.00	17,388.39	10,179.51	65.89	142.22	-43.10	-6,932.95	3,103.14	1,782.71	1,596.22	186.49	9.559		
19,200.00	11,480.00	17,493.59	10,186.45	66.52	144.21	-43.26	-7,037.92	3,104.18	1,778.28	1,589.45	188.83	9.417		
19,300.00	11,480.00	17,591.55	10,192.93	67.16	146.06	-43.41	-7,135.66	3,104.75	1,773.57	1,582.43	191.14	9.279		
19,400.00	11,480.00	17,693.13	10,199.10	67.79	147.98	-43.55	-7,237.05	3,105.07	1,769.07	1,575.63	193.44	9.145		
19,500.00	11,480.00	17,786.33	10,205.18	68.43	149.74	-43.69	-7,330.05	3,105.74	1,764.54	1,568.80	195.75	9.014		
19,600.00	11,480.00	17,889.93	10,212.69	69.08	151.70	-43.89	-7,433.35	3,107.69	1,760.30	1,562.15	198.15	8.884		
19,700.00	11,480.00	17,960.34	10,217.53	69.72	153.03	-44.03	-7,503.58	3,109.14	1,756.55	1,556.13	200.41	8.765		
19,800.00	11,480.00	18,038.64	10,220.72	70.37	154.52	-44.13	-7,581.79	3,110.72	1,754.65	1,552.02	202.62	8.660		
19,900.00	11,480.00	18,152.14	10,226.40	71.02	156.67	-44.33	-7,695.10	3,114.24	1,752.94	1,547.84	205.10	8.547		
20,000.00	11,480.00	18,239.38	10,231.48	71.67	158.32	-44.50	-7,782.14	3,116.97	1,750.70	1,543.26	207.44	8.440		
20,081.97	11,480.00	18,281.00	10,233.29	72.21	159.11	-44.57	-7,823.71	3,118.34	1,750.09	1,541.01	209.08	8.370		
20,100.00	11,480.00	18,304.10	10,234.03	72.33	159.55	-44.60	-7,846.79	3,119.17	1,750.04	1,540.49	209.56	8.351		
20,200.00	11,480.00	18,376.00	10,234.74	72.99	160.92	-44.69	-7,918.60	3,122.41	1,751.95	1,540.31	211.64	8.278		
20,300.00	11,480.00	18,427.42	10,234.23	73.65	161.90	-44.74	-7,969.94	3,125.29	1,755.87	1,542.47	213.40	8.228		
20,400.00	11,480.00	18,500.42	10,232.92	74.31	163.29	-44.81	-8,042.77	3,130.07	1,761.45	1,546.10	215.34	8.180		
20,500.00	11,480.00	18,573.79	10,230.22	74.97	164.68	-44.86	-8,115.91	3,135.17	1,768.63	1,551.41	217.22	8.142		
20,600.00	11,480.00	18,690.62	10,225.53	75.64	166.90	-44.94	-8,232.33	3,143.77	1,776.43	1,556.67	219.76	8.084		

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



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Offset Design: Millie Mile Pad - STETSON 13 24 2BS FEDERAL COM 10H - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 156-MWD+IGRF													Offset Well Error: 0.50 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
20,700.00	11,480.00	18,928.00	10,219.74	76.31	171.48	-44.79	-8,469.40	3,144.03	1,775.81	1,552.75	223.06	7.961	
20,800.00	11,480.00	19,091.83	10,216.77	76.97	174.57	-44.50	-8,632.94	3,135.06	1,772.77	1,547.79	224.98	7.880	
20,900.00	11,480.00	19,242.57	10,217.37	77.65	177.41	-44.24	-8,783.26	3,123.95	1,767.06	1,540.38	226.69	7.795	
21,000.00	11,480.00	19,338.00	10,220.14	78.32	179.21	-44.12	-8,878.36	3,116.53	1,759.28	1,530.61	228.67	7.693	
21,100.00	11,480.00	19,402.00	10,221.86	78.99	180.42	-44.08	-8,942.26	3,113.51	1,753.58	1,522.75	230.84	7.597	
21,200.00	11,480.00	19,469.17	10,223.07	79.67	181.70	-44.06	-9,009.39	3,111.59	1,749.86	1,516.92	232.94	7.512	
21,300.00	11,480.00	19,611.99	10,225.25	80.35	184.41	-43.96	-9,152.07	3,105.92	1,745.76	1,510.80	234.96	7.430	
21,400.00	11,480.00	19,701.09	10,226.45	81.03	186.10	-43.85	-9,241.01	3,100.67	1,740.41	1,503.45	236.96	7.345	
21,500.00	11,480.00	19,780.00	10,227.30	81.71	187.60	-43.78	-9,319.84	3,097.24	1,736.27	1,497.26	239.01	7.265	
21,600.00	11,480.00	19,899.86	10,230.80	82.39	189.88	-43.77	-9,439.60	3,094.00	1,732.00	1,490.84	241.16	7.182	
21,700.00	11,480.00	20,006.41	10,234.93	83.08	191.90	-43.79	-9,546.04	3,091.29	1,727.15	1,483.81	243.34	7.098	
21,800.00	11,480.00	20,115.59	10,239.62	83.77	193.97	-43.80	-9,655.05	3,087.49	1,721.31	1,475.81	245.50	7.012	
21,900.00	11,480.00	20,194.65	10,242.40	84.45	195.47	-43.78	-9,734.00	3,084.57	1,715.96	1,468.29	247.66	6.929	
22,000.00	11,480.00	20,268.06	10,243.19	85.14	196.86	-43.72	-9,807.35	3,081.80	1,712.23	1,462.51	249.72	6.857	
22,100.00	11,480.00	20,378.78	10,241.55	85.83	198.96	-43.53	-9,917.91	3,075.97	1,709.42	1,457.84	251.57	6.795	
22,200.00	11,480.00	20,508.64	10,243.03	86.52	201.42	-43.37	-10,047.52	3,068.30	1,704.02	1,450.59	253.42	6.724	
22,300.00	11,480.00	20,600.55	10,244.57	87.22	203.16	-43.27	-10,139.29	3,063.40	1,698.84	1,443.42	255.43	6.651	
22,400.00	11,480.00	20,690.64	10,245.19	87.91	204.86	-43.15	-10,229.24	3,058.43	1,694.25	1,436.87	257.38	6.583	
22,492.28	11,480.00	20,709.00	10,245.26	88.55	205.21	-43.13	-10,247.57	3,057.41	1,691.84	1,432.69	259.15	6.528	
22,500.00	11,480.00	20,709.00	10,245.26	88.61	205.21	-43.13	-10,247.57	3,057.41	1,691.85	1,432.59	259.27	6.525	
22,584.05	11,480.00	20,709.00	10,245.26	89.19	205.21	-43.13	-10,247.57	3,057.41	1,694.32	1,434.07	260.26	6.510 SF	

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



Anticollision Report



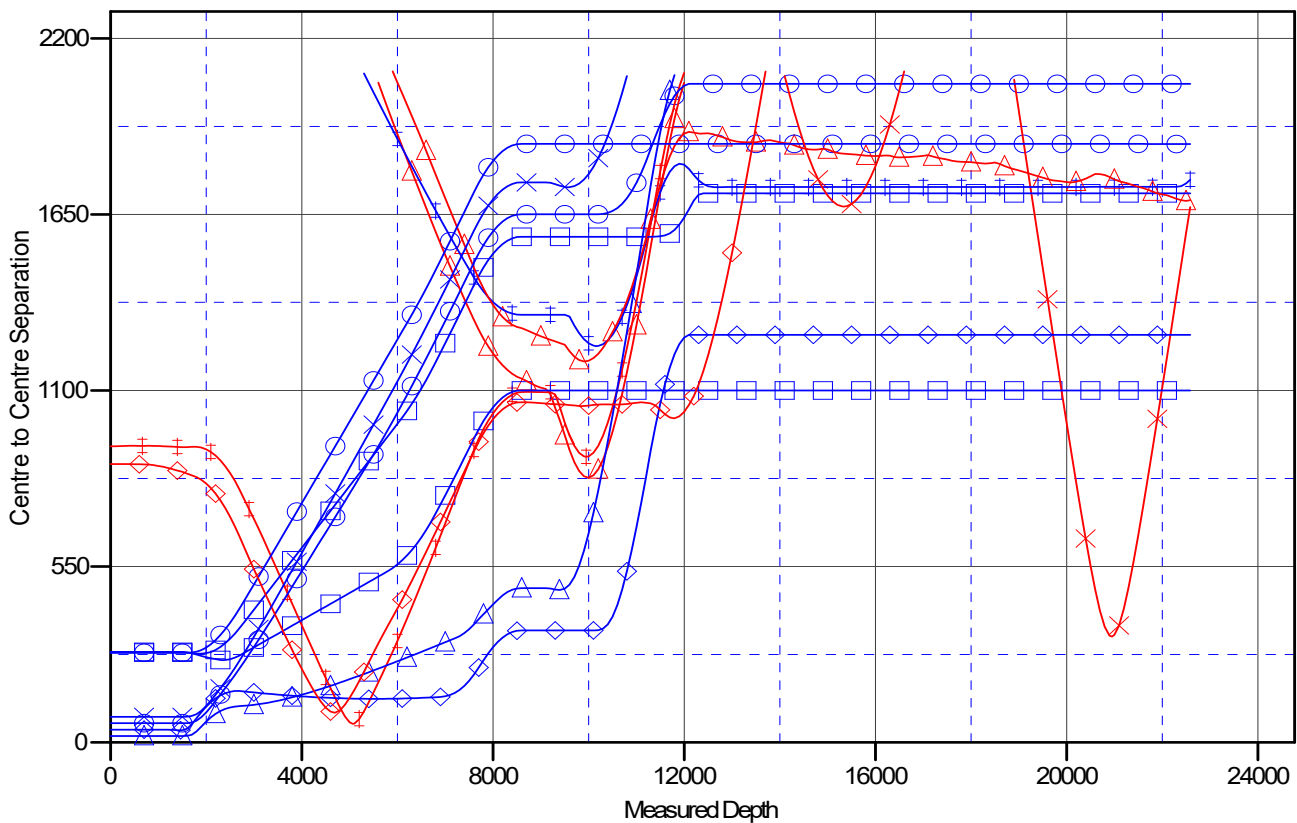
E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB 25' + GL 3708.57 @ 3733.57usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.33333334

Coordinates are relative to: Millie Mile 13-24 Fed Com 603H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.38°

Ladder Plot



LEGEND

ESMERALDA 24 FEDERAL 1 (P&A), Wellbore #1, Wellbore #1 V0	Millie Mile 13-24 Fed Com 801H, Wellbore #1, Plan 3V0	Millie Mile 13-24 Fed Com 202H, Wellbore #1, Plan 3V0
BUFFALO 12-1 FED COM 2BS 4H, Wellbore #1, Wellbore #1 V0	STETSON 13-24BS FEDERAL COM 10H, Wellbore #1, Wellbore #1 V0	LA RICA FEDERAL 1 (P&A), Wellbore #1, Wellbore #1 V0
STETSON 13-24BS FEDERAL COM 5H, Wellbore #1, Design #1 V0	Millie Mile 13-24 Fed Com 102H, Wellbore #1, Plan 3V0	BUFFALO 12-1 FED COM WCC 6H, Wellbore #1, Wellbore #1 V0
BUFFALO 12-1 FED COM 2BS 1H, Wellbore #1, Wellbore #1 V0	Millie Mile 13-24 Fed Com 201H, Wellbore #1, Plan 3V0	Millie Mile 13-24 Fed Com 101H, Wellbore #1, Plan 3V0
Millie Mile 13-24 Fed Com 602H, Wellbore #1, Plan 3V0	Millie Mile 13-24 Fed Com 601H, Wellbore #1, Plan 3V0	

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



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 603H
Project:	Lea, County NM (NAD 83)	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Reference Site:	Millie Mile Pad	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Millie Mile 13-24 Fed Com 603H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.50 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	1 - EDM Production
Reference Design:	Plan 3	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB 25' + GL 3708.57 @ 3733.57usft

Offset Depths are relative to Offset Datum

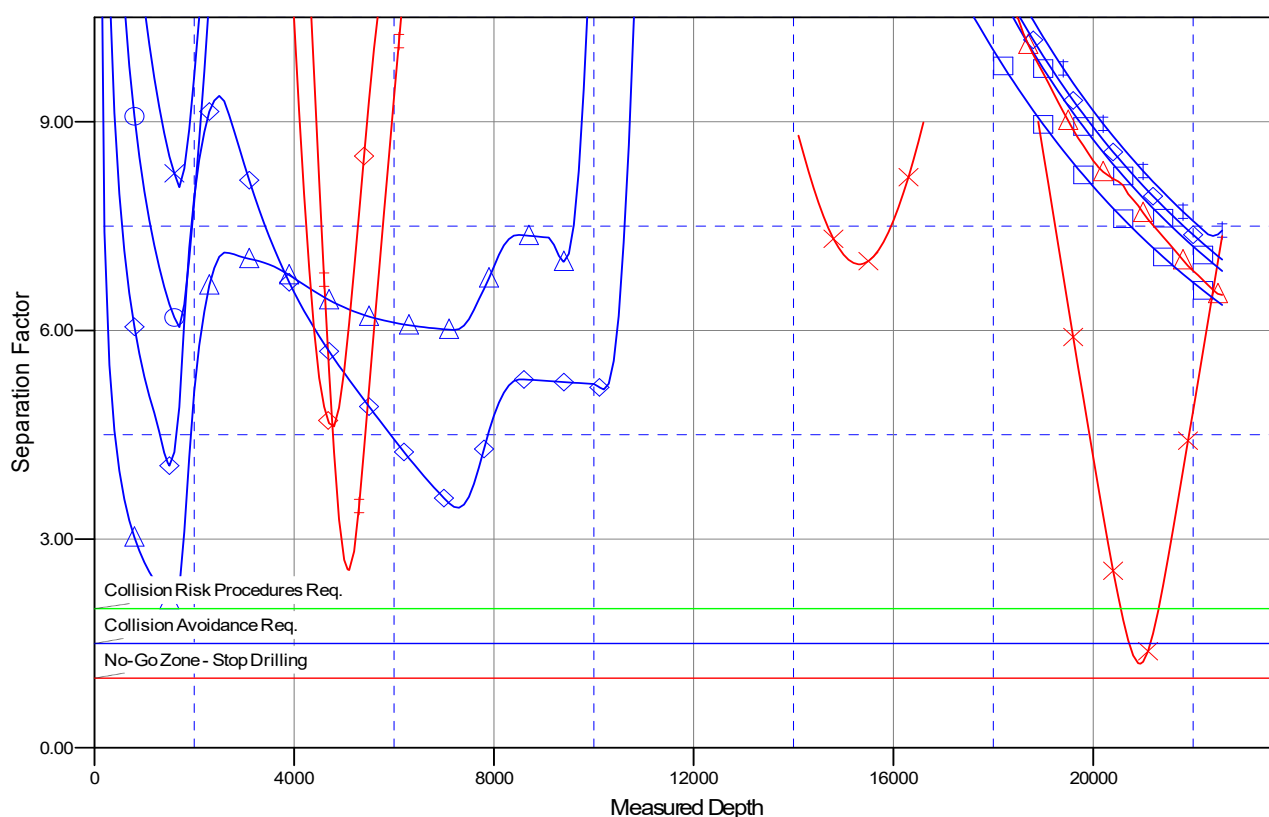
Central Meridian is -104.3333334

Coordinates are relative to: Millie Mile 13-24 Fed Com 603H

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

Grid Convergence at Surface is: 0.38°

Separation Factor Plot



LEGEND

ESMERALDA 24 FEDERAL 1 (P&A), Wellbore #1, Wellbore #1 V0	Millie Mile 13-24 Fed Com 801H, Wellbore #1, Plan3 V0	Millie Mile 13-24 Fed Com 202H, Wellbore #1, Plan3 V0
BUFFALO 12-1 FED COM 2BS 4H, Wellbore #1, Wellbore #1 V0	STETSON 13-24BS FEDERAL COM 10H, Wellbore #1, Wellbore #1 V0	LA RICA FEDERAL 1 (P&A), Wellbore #1, Wellbore #1 V0
STETSON 13-24BS FEDERAL COM 5H, Wellbore #1, Design #1 V0	Millie Mile 13-24 Fed Com 102H, Wellbore #1, Plan3 V0	BUFFALO 12-1 FED COM WCC 6H, Wellbore #1, Wellbore #1 V0
BUFFALO 12-1 FED COM 2BS 1H, Wellbore #1, Wellbore #1 V0	Millie Mile 13-24 Fed Com 201H, Wellbore #1, Plan3 V0	Millie Mile 13-24 Fed Com 101H, Wellbore #1, Plan3 V0
Millie Mile 13-24 Fed Com 602H, Wellbore #1, Plan3 V0	Millie Mile 13-24 Fed Com 601H, Wellbore #1, Plan3 V0	

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



Millie Mile 13-24 Fed Com 603H

WELL DETAILS: Millie Mile 13-24 Fed Com 603H

ELEVATION: RKB 25' + GL 3708.57 @ 3733.57usft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	607084.97	759718.58	32.66691567	-103.62367395

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	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
1750.00	5.00	150.00	1749.68	-9.44	5.45	2.00	150.00	9.44	Start DLS 2.00 TFO -95.87
2726.07	19.63	68.23	2704.80	14.74	180.65	2.00	-95.87	-14.74	Start 4865.65 hold at 2726.07 MD
7591.73	19.63	68.23	7287.81	620.75	1698.36	0.00	0.00	-620.75	Start Drop -2.00
8573.00	0.00	0.00	8250.00	682.46	1852.91	2.00	180.00	-682.46	Start 2657.04 hold at 8573.00 MD
11230.04	0.00	0.00	10907.04	682.46	1852.91	0.00	0.00	-682.46	Start DLS 10.00 TFO 179.75
12130.04	90.00	179.75	11480.00	109.51	1855.42	10.00	179.75	-109.51	Start 10454.01 hold at 12130.04 MD
22584.05	90.00	179.75	11480.00	-10344.41	1901.22	0.00	0.00	10344.41	TD at 22584.05

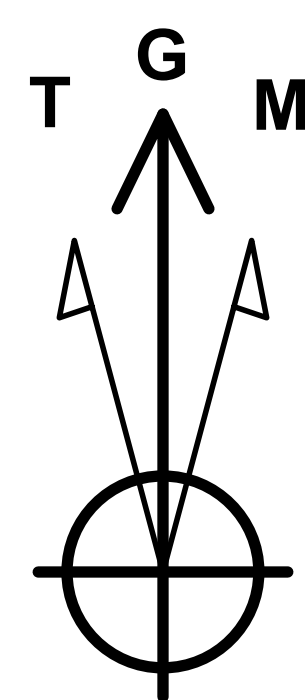
Project: Lea, County NM (NAD 83)
Site: Millie Mile Pad
Well: Millie Mile 13-24 Fed Com 603H
Wellbore: Wellbore #1
Design: Plan 3
Depths: RKB 25' + GL 3708.57 @ 3733.57usft

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

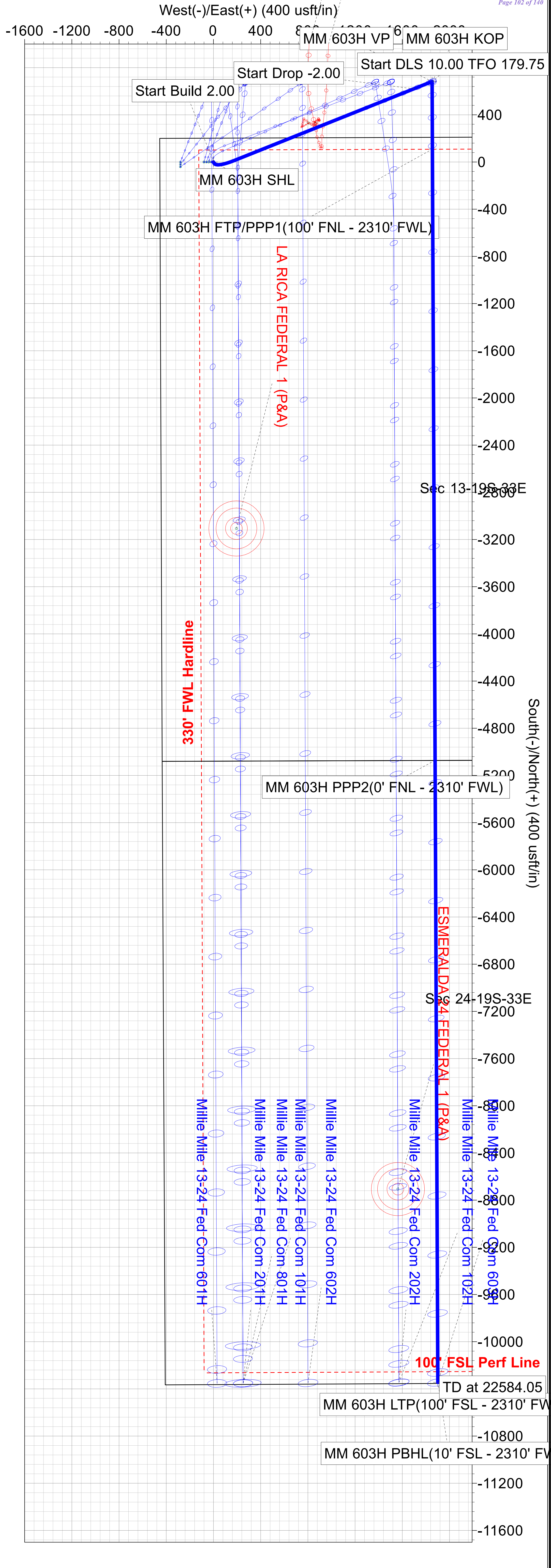
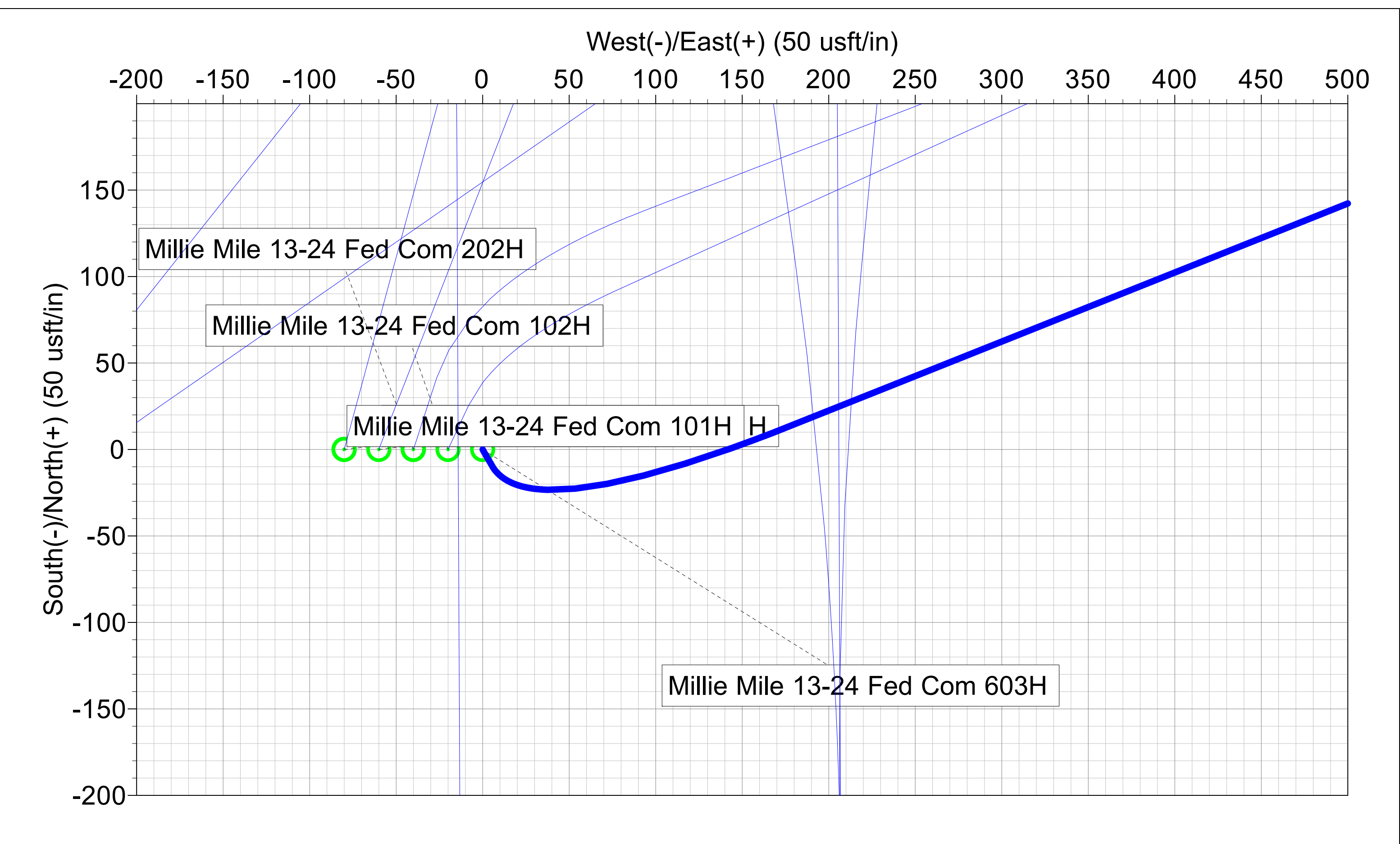
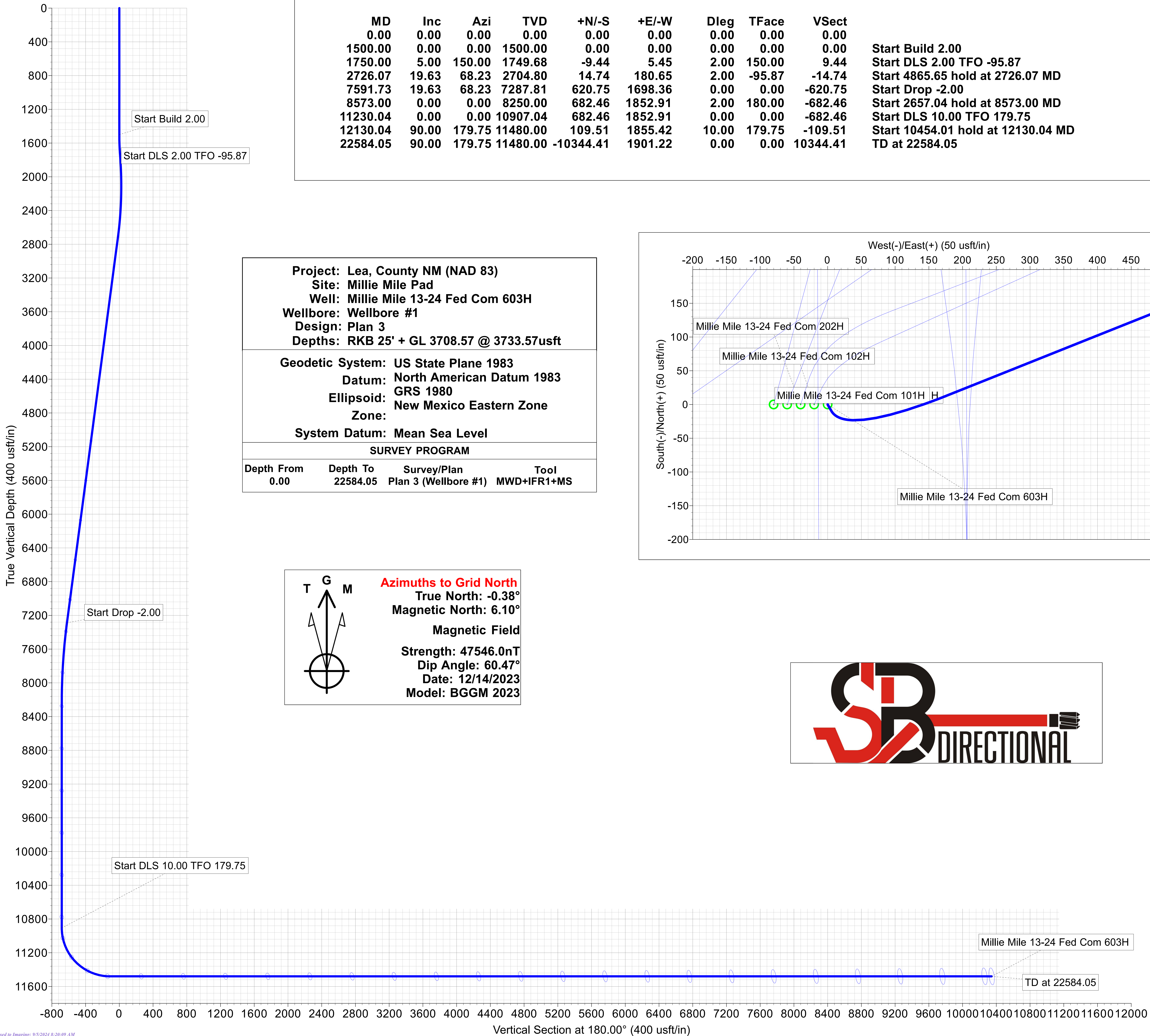
System Datum: Mean Sea Level

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.00	22584.05	Plan 3 (Wellbore #1)	MWD+IFR1+MS

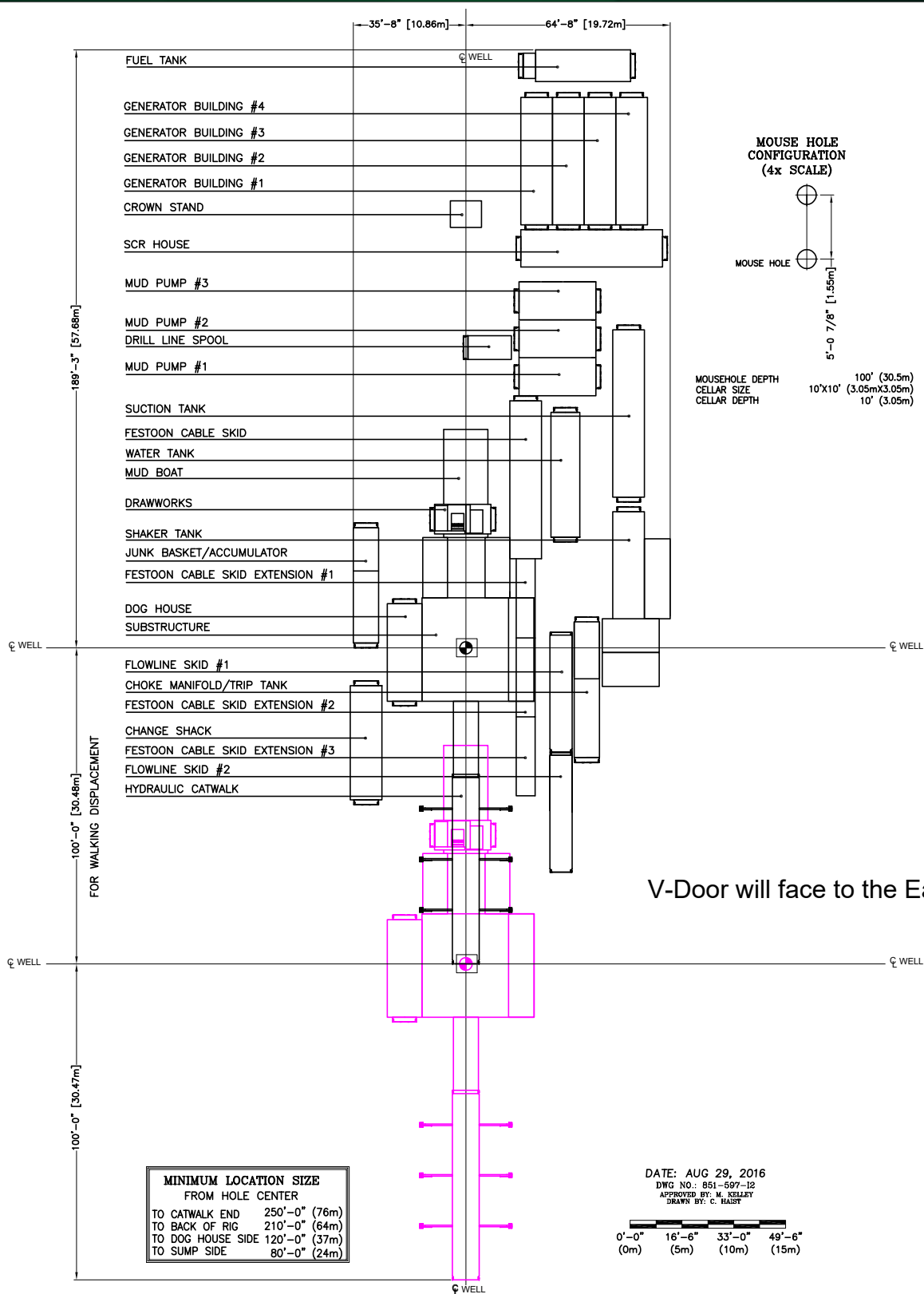


Azimuths to Grid North
True North: -0.38°
Magnetic North: 6.10°
Magnetic Field
Strength: 47546.0nT
Dip Angle: 60.47°
Date: 12/14/2023
Model: BGGM 2023





RIG LAYOUT





LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTYT/QR-5.7.1-19B

No: LT2023-052-006

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×35ft (10.67m)	Quantity	8PCS
Serial Number	7660103~7660110	FSL	FSL3
Temperature Range	-29℃~+121℃	Standard	API Spec 16C 3 rd edition
Inspection Department	Q.C. Department	Inspection date	2023.04.22

Inspection Items		Inspection results			
Appearance Checking		In accordance with API Spec 16C 3 rd edition			
Size and Lengths		In accordance with API Spec 16C 3 rd edition			
Dimensions and Tolerances		In accordance with API Spec 16C 3 rd edition			
End Connections: 4-1/16"×10000psi Integral flange for sour gas service		In accordance with API Spec 6A 21 st edition			
Hydrostatic Testing		In accordance with API Spec 16C 3 rd edition			
product Marking		In accordance with API Spec 16C 3 rd edition			
Inspection conclusion		The inspected items meet standard requirements of API Spec 16C 3 rd edition			
Remarks					
Approver	Jiaolong Chen	Auditor	Huiling Dong	Inspector	Zhangsheng Wang



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

HYDROSTATIC TESING REPORT

LTTY/QR-5.7.1-28

No: 230422006

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3"×10000psi×35ft (10.67m)	Serial Number	7660103
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2023.04.20
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.8%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		
Graph of pressure testing:			
Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition		
Approver	Jiaolong Chen	Auditor	Huiling Dong
Inspector	Zhansheng Wang		

**LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD****CERTIFICATE OF CONFORMANCE****No:LT230422014**

Product Name: Choke And Kill Hose

Product Specification: 3"×10000psi×35ft(10.67m)

Serial Number: 7660103~7660110

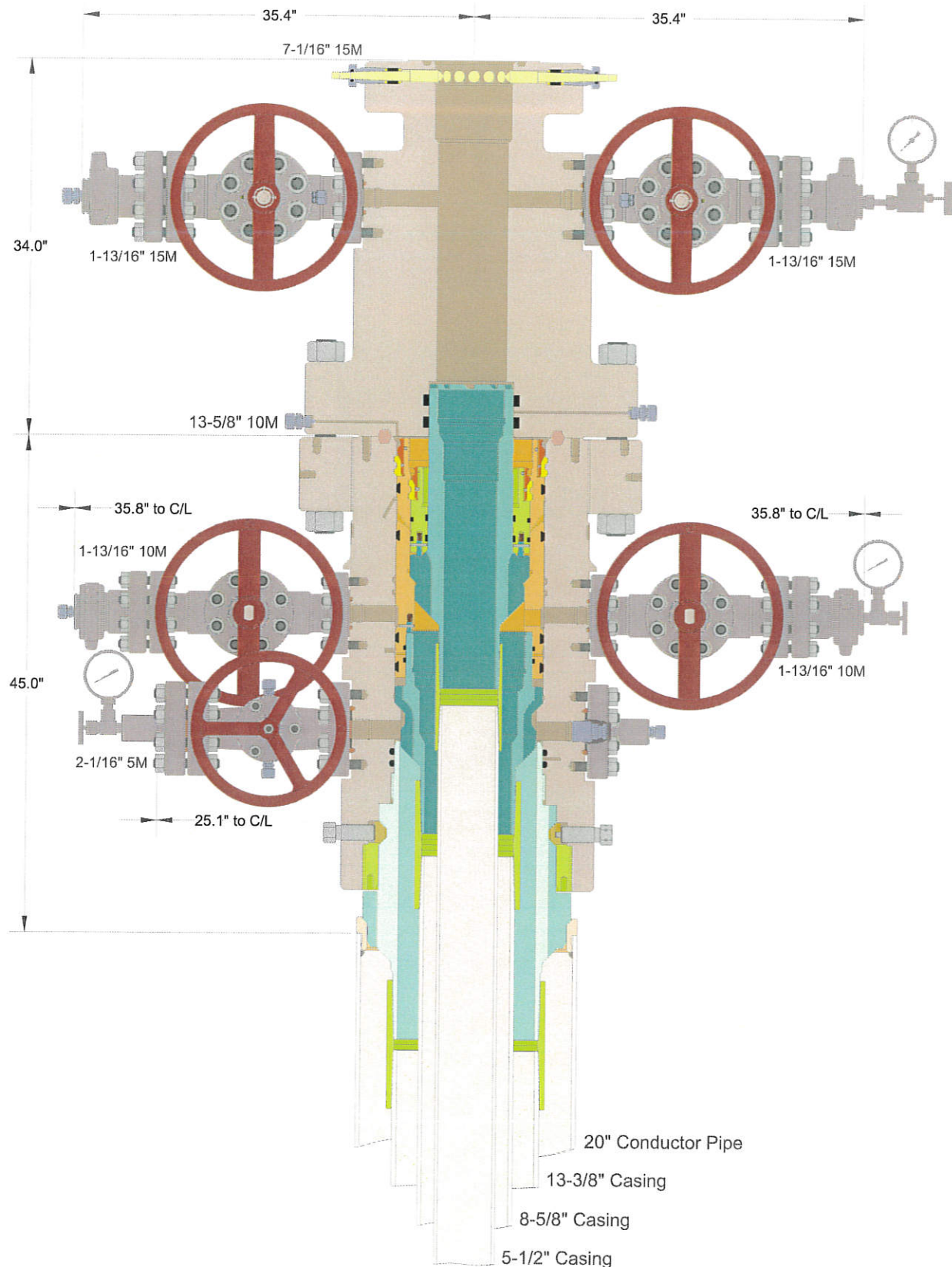
End Connections: 4-1/16"×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD . in April 2023, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on April 22, 2023. The overall condition is good. This is to certify that the high pressure steel wire drilling hose assembly complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager:

Jiaolong Chen

Date:April 22, 2023



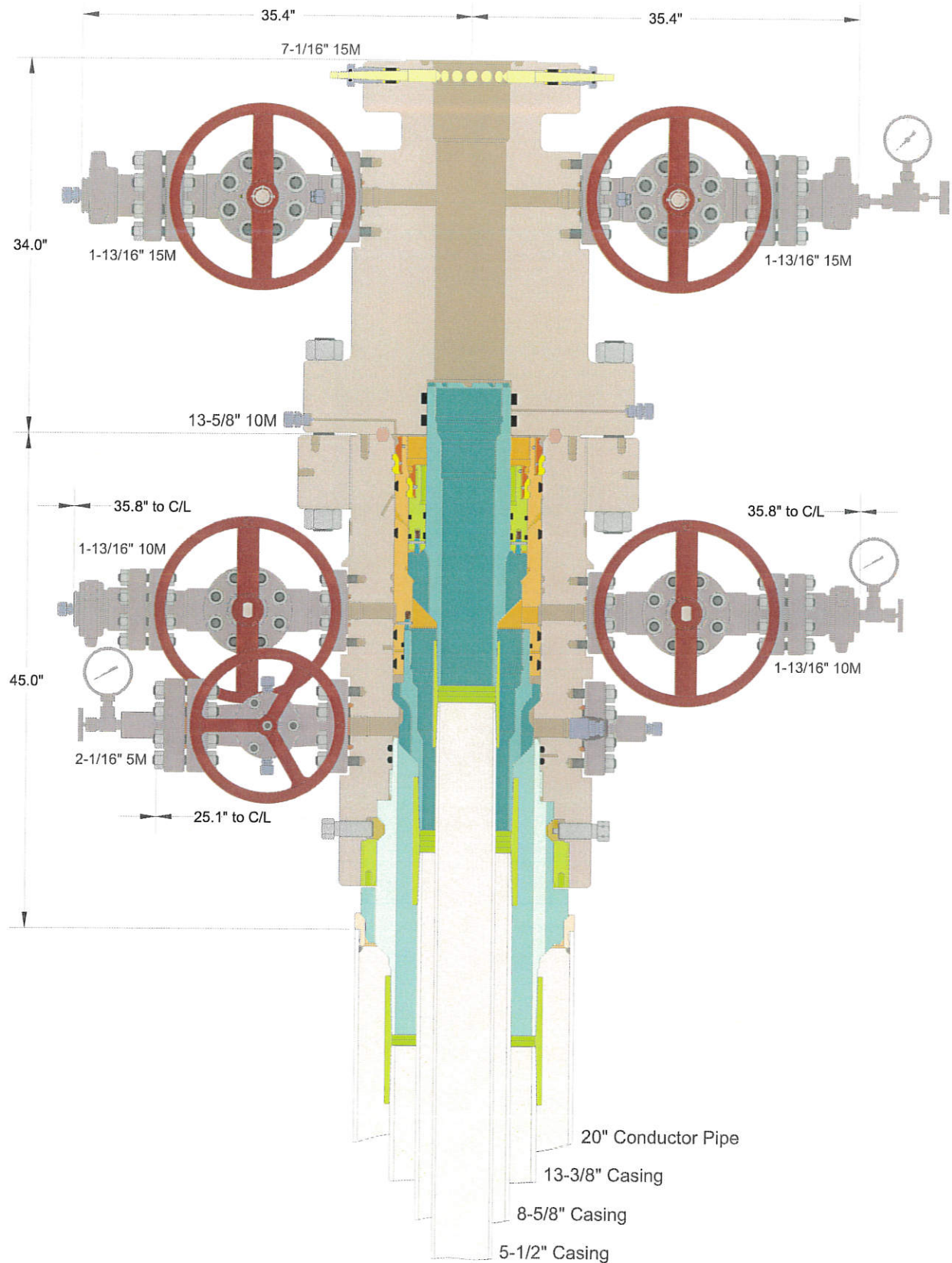
INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

20" x 13-3/8" x 8-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head,
And 13-3/8", 8-5/8" & 5-1/2" Pin Bottom Mandrel Hangers

DRAWN	DLE	11AUG20
APPRV		
DRAWING NO.	SDT-2810	



INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PERMISSIBLE ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

20" x 13-3/8" x 8-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head,
And 13-3/8", 8-5/8" & 5-1/2" Pin Bottom Mandrel Hangers

DRAWN	DLE	11AUG20
APPRV		
DRAWING NO.	SDT-2810	

Drilling Practices for Well Control

1. **BOP Drills:** Conduct planned and unplanned BOP drills with each tour during drilling and tripping operations at least 1 time per week.
2. **BOP Tests:** Function test BOP's once out of hole during trips, but no more than once per 24-hour period. Function test remote BOP controls to verify functioning properly. Check regulatory reqs.
3. **Trips:** During trips verify wellbore is taking proper fill or displacing calculated volumes. In the event a string must be pulled wet confirm fill calculations with engineer prior to TOH. Once BHA has cleared the floor close blind rams. Prior to opening blind rams confirm there is no pressure, if pressure is observed, note any pressure and discuss with office prior to bleeding off. Bleed pressure off through choke prior to opening blind rams. During trips it is vital that fluids are not transferred in and out of the active system to minimize confusion. Always utilize the trip tank and PVT for the trip tank, so that it can be monitored on the EDR. Also, during trips, it is vital to stop and check for flow multiple times throughout the trip.
4. **Trip Sheets:** Verify crews understand the importance of a trip sheet. Trip sheets must be utilized on every trip to monitor for proper fill and displacement every 5-10 stands. If incorrect fill or displacement is observed, stop trip and discuss with engineer.
5. **Slow Pump Rates:** Slow pump rates must be recorded every 24 hours or 500' of new hole drilled during drilling operations. It is also good practice to record SPR with any mud weight change greater than 0.5 ppg and every tour if applicable. Note SPR on daily drilling reports as they are taken.
6. **Pressure Control Equipment:** Once BOPE has been nipped up and tested, prior to drilling ahead, pump through equipment (Kill Line, HCR/Choke(s), gas buster) to verify working properly. Also pump through and verify that all equipment is functioning properly after every casing string that is run and cemented. Under no circumstance shall drilling ahead in the production interval be permitted prior to verifying pressure control equipment is functioning properly. Document and always know BOP configuration, size and rating. Always keep HCR closed and chokes closed during drilling or tripping operations. HCR only to be opened while monitoring pressure. Always confirm that Full Opening Safety Valves are the correct thread, functioned each tour and in the open position.
7. **Well Control:** Always assume influxes are hydrocarbon and real. In the event a shut-in is required, plan to follow the "Hard Shut-In" procedure. **If Shut-In Casing Pressure increases higher than 3,500 psi, we will move to the pipe rams that are more adequately rated for those pressures.** Keep kill sheets filled out properly and daily. ALWAYS make sure that PVT alarms are working properly and set to sound at 5 bbls. In "hard shut-in" situation, always PU to space out tool joints properly in BOP. Refer to Appendix A for "Hard Shut-in" procedure.
8. **Accumulator:** Verify pressures on accumulator once every 24 hours. Document and confirm pressures are consistent, report any discrepancies. Verify that the accumulator recharge pumps are working properly and discuss bleeding off system on a weekly basis to confirm pumps are operating properly.
9. **Wellhead:** If wellhead has lock down pins, verify all gland packing nuts are tight.
10. **BOP Tests, inspections and recordkeeping:** Maintain BOP test pressure records and charts on the rig. The failure to conduct test or to record test results could cause the BOP to function improperly in the event of a kick, resulting in a blowout. Test Record Checklist below.
 - Wellhead Pressure Rating.
 - Date of last test.
 - Low pressure and the high pressure for the annular, pipe rams, blind rams, kill line, choke line, standpipe system and safety valves.
 - Annular preventer should be tested to 70% of rated capacity. The rest of the BOP system should be tested at the rated capacity of the weakest component.
 - BOP equipment should be inspected daily, and a preventer actuation test should be performed on each round trip, but not more than once per 24-hour period.
 - The BOP should be shopped every five years for an OEM inspection.

Rig Management Protocol

- The day Supervisor (Company Man/Foreman) is the lead supervisor on location and is ultimately responsible for the operation.
- If a night foreman is on location it is his duty to wake the lead foremen when problems or irregular situations arise.

Appendix A

HARD SHUT-IN PROCEDURE - WHILE TRIPPING

- A. After kick is indicated, position the upper tool joint above the rotary table/rig floor.
- B. Install Full Opening Safety Valve in drill string (torque to proper specs) and place in closed position.
- C. Perform hard shut-in by closing annular preventer and opening HCR.
- D. Notify Supervisor if not present.
- E. Make up top drive or kelly to the closed FOSV.
- F. Open FOSV and record the SIDPP, SICP, pit gain, Depth/TVD and time.
- G. Prepare to implement kill procedures.

E.G.L. Resources, Inc.
Millie Mile 13-24 Fed Com 603H
 SHL: 208 FNL & 455 FWL' of Section 13-19S-33E
 BHL: 10 FSL & 2310 FWL Section 24-19S-33E
Lea County, New Mexico



Drilling Program

1. ESTIMATED TOPS

Formation Name	TVD KB	MD'	Bearing
Rustler	1,565	1,565	Water
Salt	1,870	1,870	N/A
Tansil	N/A		Not Present
Base of Salt	3,115	3,125	N/A
Yates	3,285	3,305	N/A
Seven Rivers	3,710	3,740	N/A
Queen	4,280	4,320	N/A
Grayburg	4,570	4,610	N/A
San Andres	5,100	5,140	N/A
Capitan Reef	N/A		Not Present
Cherry Canyon	5,670	5,710	N/A
Brushy Canyon	6,360	6,410	N/A
Bone Spring Lime	7,860	7,900	N/A
Bone Spring Avalon	7,960	8,000	Hydrocarbons
Bone Spring 1 Sand	9,080	9,160	Hydrocarbons
Bone Spring 2 Carbonate	9,390	9,480	Hydrocarbons
Bone Spring 2 Sand	9,600	9,690	Hydrocarbons
Bone Spring 3 Carbonate	10,155	10,255	Hydrocarbons
Bone Spring 3 Sand	10,500	10,620	Hydrocarbons
Wolfcamp XY*	10,785	10,915	Hydrocarbons
Wolfcamp A*	10,890		Hydrocarbons
Wolfcamp B	10,930	11,080	Hydrocarbons
Wolfcamp C	11,420	11,570	Hydrocarbons
Wolfcamp D	11,530	11,680	Hydrocarbons
Strawn	12,100	12,100	Not Encountered
Intermediate Casing Point	10,780	10,780	
Pilot Hole TD	12,000	12,000	
KOP	10,880	10,880	
TD	11,480	22,584	

The WC B is the goal.

3. PRESSURE CONTROL

A 13.625" 10M Blowout Preventer system will be installed on a multi-bowl (speed head) wellhead with a 13.625" flanged casing spool.

Top flange of casing spool will be set in a cellar below ground level. BOP system will consist of a single pipe ram on the bottom, mud cross, double pipe ram with blind rams on bottom and pipe rams on top, and annular preventer. Blowout preventer will be installed on top of the 13.375" surface casing and will remain installed to TD of the well. Wellhead, blowout preventer, and choke manifold diagram are included.

Variance is requested to use a co-flex hose between the BOP system and choke manifold. A typical co-flex pressure test certificate is attached. An equipment specific co-flex pressure test certificate will be on site when testing the BOP.

All casing strings will be tested in accordance with Onshore Order 2 III.B.1.h.

The BOP system will be isolated and tested by an independent tester to 250 psi low and 10,000 psi high for 10 minutes per CFR 3172 requirements. If 10M system, we will test annular to 100% of WP (5,000 psi)

The Surface Casing will be pressure tested to 250 psi low and 1500 psi high. Intermediate Casing will be pressure tested to 250 psi low and (.22 psi x Length of casing, which is equivalent to 2404.6 psi) high for 30 minutes

E.G.L. Resources, Inc.
Millie Mile 13-24 Fed Com 603H
SHL: 208 FNL & 455 FWL' of Section 13-19S-33E
BHL: 10 FSL & 2310 FWL Section 24-19S-33E
Lea County, New Mexico



4. CASING & CEMENT

Variance is requested for an option to use a surface rig to drill the surface hole, set the surface casing, and cement the surface casing. If the schedule between rigs would preclude presetting the surface casing, then the primary rig will MIRU and drill all of the well.

All casing will be API and new. See attached casing assumption worksheet.

Casing Details

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	BTM MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	No	0	1,835	0	1835	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate	9 7/8	8 5/8	API	No	0	10,930	0	10,780	P-110 HP	32	Talon HTQ	1.125	1.125	1.6
Production	7 7/8	5 1/2	API	No	0	22,584	0	12,100	P-110 EC	17	CDC-HTQ	1.125	1.125	1.6

Alternate grades and/or higher weights could be substituted to meet maximum stimulation pressures or due to coupling availability.

Name	Hole Size	Casing Size	Standard	Tapered	Top MD	BTM MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Intermediate	9 7/8	8 5/8	API	No	0	10,930	0	10780	P-110 HP	32	TLW	1.125	1.125	1.6
Production	7 7/8	5 1/2	API	No	0	22,584	0	12100	P-110 EC	20	DWC/C-IS +	1.125	1.125	1.6

Cement Details

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	751	2.22	1667.3	12.5	100%	C	Gel, Accelerator, LCM
	Tail	1200	479	1.84	882.3	13.2	100%	C	Gel, Accelerator, LCM
Intermediate	Lead	0	393	6.19	2435.0	10	60%	C or H	Fluid Loss, Retarder, LCM, Possibly beads
	Tail	9780	130	1.38	179.4	13.8	15%	C or H	Fluid Loss, Retarder, LCM
Production	Lead	7780	353	1.49	526.3	12.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	10780	1647	1.49	2454.3	13.5	20%	H	Fluid Loss, Retarder, LCM
Pilot Hole	Plug 2	10780	240	0.97	232.8	17.2	35%	H	Spacer, Surfactant, LCM, .4% C-37 & .2% SR-4
	Plug 1	11300	320	1.18	377.6	15.6	35%	H	Spacer, Surfactant, LCM & .5% SR-4

Pilot Hole Plugging Design:

Plug 2: 520' (11,300'-10,780') Wolfcamp XY, A, & B Isolation Plug (Top of Wolfcamp @ 10,785' TVD)

Plug 1: 800' (12,100'-11,300') Wolfcamp C & D Isolation Plug (Top of Wolfcamp C @ 11,420' TVD)

5. MUD PROGRAM

An electronic PVT mud system will monitor flow rate, pump pressure, stroke rate, and volume. All necessary mud products (barite, bentonite, LCM) to control weight and fluid loss will be on site at all times. Mud program may change due to hole conditions. A closed loop system will be used.

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1,835'	Water Based Spud Mud	8.30	30-60	NC
Intermediate	1835	10780	Brine Diesel Emulsion	8.8-9.6	35-45	NC
Production & Pilot Hole	10780	22584	Oil Based Mud	12.5-13.5	35-65	4-6

6. CORES, TEST, & LOGS

Plug cores and logging runs are planned for this well. After drilling intermediate to casing point (~10,780' TVD) we will take ~75 plug cores as well as logging runs from casing point up to 7,000'. The same plug cores and logs will be taken in the production pilot hole from the base of the Wolfcamp (~12,100' TVD) up to intermediate casing point (10,780' TVD). We will spot cement plugs up through the pilot hole and use the cement plug to kickoff our production curve. A 2-person mud logging program will be used from ~3000' to TD. GR log will be acquired by MWD tools from the intermediate casing to TD.

7. DOWN HOLE CONDITIONS

No abnormal pressure or temperature is expected. Maximum anticipated surface pressure is ~4936.4 psi. Anticipated bottom hole pressure is ~7462 psi. Expected bottom hole temperature is ~240° F.

8. OTHER INFORMATION

Anticipated spud date is upon approval. It is expected it will take ~2 months to drill and complete the well.

On the same pad, we will drill the shallower wells/target zones first to confirm the loss potential of the exposes vertical zones. If losses occur, we will use a contingency 4S design that covers said loss zone.

We will pressure test the BOPE to 10,000 psi and the annular to 5,000 psi before drilling the pilot hole. We will tag the top of cement after Waiting 4 hours for the abandonment plug 1 and 2. Well Control Plan Attached:

Millie Mile 603H Pilot Hole Details:

1	Hole Size: 7-7/8"
2	Beginning and End of Pilot Hole: 10,792'-12,100' TVD
3	Tag of plug back verification: The final cement plug top is designed to reach our intermediate casing shoe at 10,780' TVD . We will dress top 100-200' of plug and tag again at 10,880 . If cement plug is competent we will kick-off at this depth. If not, we will dress down to 10,980' TVD
4	Pilot Hole abandonment procedures to include depth and slurry height We will set two cement plugs to isolate the producing formations in the wolfcamp. We will then sidetrack/time-drill off of the top of the cement plug. Top Cement Plug: Slurry height- 520' (10,780'- 11,300) Bottom Cement Plug: Slurry height- 800' (11,300'-12,100')
5	Slurry Properties and volume Top Cement Plug: Slurry Properties- 15.6 ppg (320 sx Class H, 5.21 gal/sx) 67.25 bbls Bottom Cement Plug: Slurry Properties- 17.2 ppg (240 sx Class H, 3.6 gal/sx) 41.47 bbls
6	Depth of BP/Whipstock: No BP/Whipstock planned, we plan to kick off the cement plug by time-drilling. Mechanical whipstock will only be used if cement sidetrack is unsuccessful.
7	BOPE for hole section: 10M BOP & 5M Annular equipment and testing procedure. BOPE tested to 10,000 psi and annular will be tested to 100% of WP, 5,000 psi.
8	Hole section Mud Weight and type and Bottom hole pressure. 12.5 ppg OBM, expected BHP: 7,865 psi (.65 psi/ft)
9	Indicate formation isolation plug and sidetrack plugs (Include 10 percent of slurry for each 1000 feet of depth per plug). Excess is planned at 35%, this exceeds the requested amount. Sidetrack Plug 2 top @ 10,780': Serves as isolation plug for Wolfcamp XY, A, & B (Top of Wolfcamp @ 10,785' TVD). Formation Isolation Plug 1 top @ 11,300': Serves as isolation plug for Wolfcamp C & (Top of Wolfcamp C @ 11,420' TVD)



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

SUPO Data Report

08/15/2024

APD ID: 10400097439

Submission Date: 03/07/2024

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data
reflects the most
recent changes
[Show Final Text](#)

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

PBEX_Millie_Mile_13_24_Fed_Com_Aerial_Map_20240513141656.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Aerial_Road_Route_Map_20240513141658.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Land_Status_Map_20240513141701.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Topo_Map_20240513141706.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Vicinity_Map_20240513141708.pdf

Existing Road Purpose: ACCESS

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

23_101303_Millie_Mile_13_24_Fed_Com_AR_20240513141735.pdf

New road type: LOCAL

Length: 523.23

Feet

Width (ft.): 30

Max slope (%): 2

Max grade (%): 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H

turnouts installed as necessary to provide for proper drainage along with access road route.

New road access plan or profile prepared? N**New road access plan****Access road engineering design?** N**Access road engineering design****Turnout?** N**Access surfacing type:** OTHER**Access topsoil source:** ONSITE**Access surfacing type description:** Caliche**Access onsite topsoil source depth:** 6**Offsite topsoil source description:****Onsite topsoil removal process:** Topsoil will be spread along location to help raise sub grade**Access other construction information:** Caliche will be from Kenneth Smith's property of which we will have an SUA prior to disturbance. The material meets BLM requirements and standards.**Access miscellaneous information:****Number of access turnouts:****Access turnout map:**

Drainage Control

New road drainage crossing: LOW WATER,OTHER**Drainage Control comments:** The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.**Road Drainage Control Structures (DCS) description:** None**Road Drainage Control Structures (DCS) attachment:**

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES**Attach Well map:**

PBEX_Millie_Mile_13_24_Fed_Com_603H_Existing_Wells_Map_20240513141843.pdf

PBEX_Millie_Mile_13_24_Fed_Com_603H_Existing_Wells_Map_Pg2_20240513141847.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: One pad was staked with the BLM for construction and use as Central Tank Batteries (CTBs). The facility is the Millie Mile 13-24 Fed Com Central Tank Battery. A 3160-5 sundry notification will be submitted after construction with a site-security diagram and layout of the facility with associated equipment.

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: GW WELL

Water source use type:

DUST CONTROL

SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

Source latitude: 32.623993

Source longitude: -103.622398

Source datum: NAD83

Water source permit type:

WATER WELL

PRIVATE CONTRACT

Water source transport method:

TRUCKING

PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 100000

Source volume (acre-feet): 12.88930963

Source volume (gal): 4200000

Water source and transportation

PBEX_Millie_Mile13_24_Fed_Com_Water_Source_Map_20240513141926.pdf

Water source comments: The oil/gas production wells will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from Ranger Water Resources and hauled to the location by transport truck or lay-flat lines using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location.

New water well? N

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H

New Water Well Info

Well latitude:**Well Longitude:****Well datum:****Well target aquifer:****Est. depth to top of aquifer(ft):****Est thickness of aquifer:****Aquifer comments:****Aquifer documentation:****Well depth (ft):****Well casing type:****Well casing outside diameter (in.):****Well casing inside diameter (in.):****New water well casing?****Used casing source:****Drilling method:****Drill material:****Grout material:****Grout depth:****Casing length (ft.):****Casing top depth (ft.):****Well Production type:****Completion Method:****Water well additional information:****State appropriation permit:****Additional information attachment:**

Section 6 - Construction Materials

Using any construction materials: YES**Construction Materials description:** Any construction material that may be required for surfacing the drill pad and access road will be from Kenneth Smith's caliche pit, all materials are BLM approved.**Construction Materials source location**

PBEX_Millie_Mile_13_24_Fed_Com_Caliche_Source_Map_20240513141949.pdf

Section 7 - Methods for Handling

Waste type: DRILLING**Waste content description:** Drill cuttings, drilling fluids, produced oil/water, other chemicals.**Amount of waste:** 50 barrels**Waste disposal frequency :** Daily**Safe containment description:** Will be stored in steel pits until they are hauled to a state-approved disposal facility.**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY**Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** Will be hauled to a state-approved disposal facility.

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H**Waste type:** SEWAGE**Waste content description:** Black and Grey Water**Amount of waste:** 2 barrels**Waste disposal frequency :** Daily**Safe containment description:** Will be contained in plastic chemical toilets and disposed of properly at a state approved disposal site.**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY**Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** Will be disposed of properly at a state approved disposal site.**Waste type:** GARBAGE**Waste content description:** Trash**Amount of waste:** 10 barrels**Waste disposal frequency :** Daily**Safe containment description:** Portable Trash Cage**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY**Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** All trash will be disposed of properly at a state approved disposal facility.

Reserve Pit

Reserve Pit being used? NO**Temporary disposal of produced water into reserve pit?** NO**Reserve pit length (ft.)****Reserve pit width (ft.)****Reserve pit depth (ft.)****Reserve pit volume (cu. yd.)****Is at least 50% of the reserve pit in cut?****Reserve pit liner****Reserve pit liner specifications and installation description**

Cuttings Area

Cuttings Area being used? NO**Are you storing cuttings on location?** N

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COMWell Number: 603H

Description of cuttings location

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

23_101303_Millie_Mile_13_24_Fed_Com_SS_20240513142033.pdf23_101303_Millie_Mile_13_24_Fed_Com_Site_Plan_20240513142037.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface DisturbanceMultiple Well Pad Name: Millie Mile 13-24 Fed ComMultiple Well Pad Number: 1

Recontouring

Drainage/Erosion control construction: The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.

Drainage/Erosion control reclamation: No reclamation needed.

Well pad proposed disturbance (acres): 7.27

Well pad interim reclamation (acres): 0

Well pad long term disturbance (acres): 0

Road proposed disturbance (acres): 0.36

Road interim reclamation (acres): 0

Road long term disturbance (acres): 0

Powerline proposed disturbance (acres): 0

Powerline interim reclamation (acres): 0

Powerline long term disturbance (acres): 0

Pipeline proposed disturbance (acres): 0

Pipeline interim reclamation (acres): 0

Pipeline long term disturbance (acres): 0

Other proposed disturbance (acres): 0

Other interim reclamation (acres): 0

Other long term disturbance (acres): 0

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Total proposed disturbance: 7.63

Total interim reclamation: 0

Total long term disturbance: 0

Disturbance Comments:

Reconstruction method: Due to the facility being on the same pad as the well locations, there will not be any reclamation needed at this site until all wells have been plugged and abandoned.

Topsoil redistribution: The original stockpiled topsoil will be placed in the low spots, mainly the wester 1/3 of the location to help raise the sub grade. It will also be used to fill slopes that are inside the location as staked.

Soil treatment: None

Existing Vegetation at the well pad: Shinnery oak, mesquite, grasses

Existing Vegetation at the well pad

Existing Vegetation Community at the road: Shinnery oak, mesquite, grasses

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Shinnery oak, mesquite, grasses

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: Shinnery oak, mesquite, grasses

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H**Seed Type****Pounds/Acre****Seed reclamation****Operator Contact/Responsible Official****First Name:** Mikah**Last Name:** Thomas**Phone:** (432)661-7106**Email:** mikah@pbex.com**Seedbed prep:****Seed BMP:****Seed method:****Existing invasive species?** N**Existing invasive species treatment description:****Existing invasive species treatment****Weed treatment plan description:** Weed treatment will be performed on an as needed basis. If African rue is spotted, EGL Resources will enter into an agreement with the Carlsbad Soil and Water Conservation District.**Weed treatment plan****Monitoring plan description:** Once the wells have been plugged and abandoned, EGL Resources will ensure full reclamation of the pad to BLM Standards.**Monitoring plan****Success standards:** Once the wells have been plugged and abandoned, EGL Resources will ensure full reclamation of the pad to BLM Standards.**Pit closure description:** No Pits will be used, a closed-loop system will be in place.**Pit closure attachment:****Section 11 - Surface Ownership****Disturbance type:** EXISTING ACCESS ROAD**Describe:****Surface Owner:** BUREAU OF LAND MANAGEMENT,PRIVATE OWNERSHIP**Other surface owner description:****BIA Local Office:****BOR Local Office:****COE Local Office:****DOD Local Office:****NPS Local Office:****State Local Office:****Military Local Office:****USFWS Local Office:**

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H**Other Local Office:****USFS Region:****USFS Forest/Grassland:****USFS Ranger District:****Surface use plan certification:** NO**Surface use plan certification document:****Surface access agreement or bond:** AGREEMENT**Surface Access Agreement Need description:** SUA with Kenneth Smith will be signed and approved prior to any disturbance.**Surface Access Bond BLM or Forest Service:****BLM Surface Access Bond number:****USFS Surface access bond number:****Disturbance type:** NEW ACCESS ROAD**Describe:****Surface Owner:** BUREAU OF LAND MANAGEMENT,PRIVATE OWNERSHIP**Other surface owner description:****BIA Local Office:****BOR Local Office:****COE Local Office:****DOD Local Office:****NPS Local Office:****State Local Office:****Military Local Office:****USFWS Local Office:****Other Local Office:****USFS Region:****USFS Forest/Grassland:****USFS Ranger District:**

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Surface use plan certification: NO

Surface use plan certification document:

Surface access agreement or bond: AGREEMENT

Surface Access Agreement Need description: SUA with Kenneth Smith will be signed and approved prior to any disturbance.

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT,PRIVATE OWNERSHIP

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 603H**Surface use plan certification:** NO**Surface use plan certification document:****Surface access agreement or bond:** AGREEMENT**Surface Access Agreement Need description:** SUA with Kenneth Smith will be signed and approved prior to any disturbance.**Surface Access Bond BLM or Forest Service:****BLM Surface Access Bond number:****USFS Surface access bond number:**

Section 12 - Other

Right of Way needed? N**Use APD as ROW?****ROW Type(s):****ROW****SUPO Additional Information:****Use a previously conducted onsite?** Y**Previous Onsite information:** Onsite review was done on April 9, 2024 with Chaz Sartin.

Other SUPO

New__Millie_Mile_SUPO_Pad_Move_20240513142239.pdf

EGL Resources, LLC→ Millie Mile 13-24 Fed Com

Well Site Locations

The results of the Millie Mile 13-24 Fed Com will develop economic quantities of oil and gas with multiple primary formations targeted. Well locations are determined based on cross-section variations and details. Locations will be selected to minimize the likelihood of encountering faults and/or drilling hazards while still targeting suitably productive zones. If drilling results in an unproductive well, the well will be plugged and abandoned as soon as practical after the conclusion of production testing. Productive wells may be shut-in temporarily for BLM authorization for production activities and facilities.

Millie Mile 13-24 Fed Com

- Millie Mile 13-24 Fed Com 603H
- Millie Mile 13-24 Fed Com 102H
- Millie Mile 13-24 Fed Com 202H
- Millie Mile 13-24 Fed Com 201H
- Millie Mile 13-24 Fed Com 101H
- Millie Mile 13-24 Fed Com 601H
- Millie Mile 13-24 Fed Com 801H
- Millie Mile 13-24 Fed Com 602H

Surface Use Plan

1. Existing Roads

A. From the intersection of US-180 and NM-18 in Hobbs, NM, Go West on US-180 Approx 15 miles. At the intersection of US-180 and NM-529 take a left and continue to go southwest on US-180 approx. 14.9 miles. Turn right onto existing lease road and go northwest approx. 2.08 miles. Turn right onto existing lease road and go northeast approx. 2.02 miles. Turn left onto existing lease road and go north approx. 1.92 miles. Turn left onto existing lease road and access roads and go west approx. 1.46 miles to northeast pad corner.

B. Transportation Plan identifying existing roads that will be used to access the project area is included from Coosa, LLC. marked as, 'Vicinity Map, Aerial Map, Aerial Road Route Map, Land Status Map, and Topo Map'.

C. All equipment and vehicles will be confined to the routes shown on the 'Vicinity Map, Aerial Map, Aerial Road Route Map, Land Status Map, and Topo Map' as provided by Coosa, LLC.

D. Maintenance of the access roads will continue until abandonment and reclamation of the well pads has been completed.

2. New or Upgraded Access Roads

A. **New Roads.** There are a total of approximately 523.23 feet of proposed and staked access roads to access the Millie Mile 13-24 Fed Com pad shown on the 'AR Map'.

B. **Well Pads.** The Millie Mile 13-24 Fed Com Aerial Road Route Map shows the location of the proposed road that will need to be constructed to access the well pad.

C. **Anticipated Traffic.** After well completion, travel to each well site will include one lease operator truck and two oil trucks per day until the Central Tank Batteries are completed. Upon completion of the Central Tank Batteries, one lease operator truck will continue to travel to each well site to monitor the working order of the wells and to check well equipment for proper operation. Two oil trucks will continue to travel to the Central Tank Batteries only for oil hauling until connected to a pipeline. Additional traffic will include one maintenance truck periodically throughout the year for pad upkeep and weed removal. Well service trips will include only the traffic necessary to work on the wells or provide chemical treatments periodically and as needed throughout the year.

D. **Routing.** All equipment and vehicles will be confined to the travel routes laid out in the 'Vicinity Map' provided by Coosa, LLC.

E. **Road Dimensions.** The maximum width of the driving surface of new roads will be 14 feet. The roads will be crowned and ditched with a 2% slope from the tip of the crown to the edge of the driving surface. The ditches will be 1 foot deep with 3:1 slopes. The driving surface will be made of 6" rolled and compacted caliche.

F. Surface Material. Surface material will be native caliche. The average grade of all roads will be approximately 3%.

G. Fence Cuts: None.

H. Fences: None.

I. Cattle Guards: None.

J. Turnouts: None.

K. Culverts: None.

L. Cuts and Fills: Not significant.

M. Topsoil. Approximately 6 inches of topsoil (root zone) will be stripped from the proposed access road and pad prior to any construction activity. The stripped topsoil will be spread along the western 1/3 of the location to help raise the sub grade and will be available to fill slopes inside the location as staked.

N. Maintenance. The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along with access road route.

O. Drainage. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, The Gold Book, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

3. Location of Existing Wells

A. See attached Existing Wells map.

4. Ancillary Facilities

A. No off-pad ancillary facilities are planned during the exploration phase including, but not limited to campsites, airstrips or staging areas.

5. Location of Proposed Production Facilities

A. Production Facilities. One pad was staked with the BLM for construction and use as Central Tank Batteries (CTBs). The facility is the Millie Mile 13-24 Fed Com Central Tank Battery. A 3160-5 sundry notification will be submitted after construction with a site-security diagram and layout of the facility with associated equipment.

B. Buried & Surface Flowlines. Plans for this have not been determined. Prior to any flowlines being constructed, a 3160-5 will be submitted for approval.

C. Midstream Tie-In. Midstream tie-in connections have not been finalized. Third party midstream company will acquire all necessary rights-of-way. If corridors are found needed in the future, they will be applied for via 3160-5.

D. Disposal Facilities. Produced water will be hauled from the location to a commercial disposal facility prior to being tied into a salt water disposal flowline.

E. Flare. Flare determination has not been finalized. Prior to construction, this will be submitted on a 3160-5.

F. Aboveground Structures. All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted earth-tone colors such as 'shale green' to reduce the visual impacts of the built environment.

G. Containment Berms. Containment berms will be constructed completely around any production facilities designed to hold fluids. The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 1.5 times the capacity of the largest tank and away from cut or fill areas.

H. Electrical. Electrical lines have not been finalized. Prior to any construction, a 3160-5 will be submitted for approval.

6. Location and Types of Water Supply

The oil/gas production wells will be drilled using a combination of water mud systems as outlined in the Drilling Program. The water will be obtained from Ranger Water Resources and hauled to the location by transport truck or lay-flat lines using the existing and proposed roads depicted in the attached exhibits. No water well will be drilled on the location. Shown on attached 'Water Source Map.'

Anticipated water usage for drilling includes an estimated 50,000 barrels bbls of water and anticipated water usage for completion includes an estimated 1,950,000 bbls of water for each horizontal well in a combination of fresh water and brine as detailed in the mud program in the drilling plans. These volumes are calculated with excess to accommodate any lost circulation or wash out that may occur. Actual water volumes used during operations will depend on the depth of the well, length of horizontal sections, and the losses that may occur during the operation.

7. Construction Activities

A. Construction, reclamation, and/or routine maintenance will not be conducted during periods when the soil conditions for construction could lead to impacts to the surrounding environment, or when watershed damage is likely to occur because of these activities.

B. Any construction material that may be required for surfacing the drill pad and access road will be from a contractor having a permitted source of materials within the general area. No construction materials will be removed from federal lands without prior approval from the appropriate surface management agency. All roads and well pads will be constructed of 6" rolled and compacted caliche.

C. Anticipated Caliche Location will be from Kenneth Smith, attached map 'caliche source' is attached.

8. Methods for Handling Waste • Cuttings. The well will be drilled utilizing a closed-loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to a New Mexico Oil Conservation Division (NMOCD) approved disposal site.

- **Drilling Fluids.** These will be contained in steel mud pits and then taken to a NMOCD approved commercial disposal facility.

- **Produced Fluids.** Water produced from the well during completion will be held temporarily in steel tanks and then taken to a NMOCD approved commercial disposal facility. Oil produced during operations will be stored in tanks until sold.

- **Sewage.** Portable, self-contained toilets will be provided for human waste disposal. Upon completion of drilling and completion activities, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to the disposal of human and solid waste will be complied with. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.

- **Garbage and Other Waste Materials.** All garbage, junk and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage, to prevent scattering and will be removed and deposited in an approved sanitary landfill. Immediately after drilling all debris and other waste materials on and around the well location not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location.

- **Debris.** Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned and removed from the well location. No potential adverse materials or substances will be left on location.

- • **Hazardous Materials.** i. All drilling wastes identified as hazardous substances by the Comprehensive Environmental Response Compensation Liability Act (CERCLA) removed from the location, and not reused at another drilling location, will be disposed of at a hazardous waste facility approved by the U.S. Environmental Protection Agency (EPA).

- ii. EGL Resources, LLC. and its contractors will comply with all applicable Federal, State, and local laws and regulations, existing or hereafter enacted/promulgated, regarding any hazardous material, as defined in this paragraph, that will be used, produced, transported or stored on the oil and gas lease. "Hazardous material" means any substance, pollutant or

contaminant that is listed as hazardous under the CERCLA of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulation. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the RCRA of 1976, as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous material also includes any nuclear or nuclear by-product material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101 (14) U.S.C. 9601 (14) nor does the term include natural gas.

- iii. No hazardous substances or waste will be stored on location after completion of the well.
- iv. Chemicals brought to location will be on the Toxic Substance Control Act (TSCA) approved inventory list.
- v. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in Notice to Lessees (NTL) 3A will be reported to the BLM Carlsbad Field Office. Major events will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days.

9. Well Site Layout

A. **Rig Plat Diagrams:** There is one multi-well pad for the Millie Mile 13-24 Fed Com lease anticipated. This will allow enough space for cuts and fills, and storm water control. Well site layout is attached. This is currently an 8-well pad but should have additional room if there were to be additional wells added to the plan. Maps 'Site Plan and SS' are attached.

B. **Closed-Loop System:** There will be no reserve pit as each well will be drilled utilizing a closed loop mud system. The closed loop system will meet the NMOCD requirements 19.15.17.

C. **V-Door Orientation:** The pad was staked with v-door orientation to the East.

D. All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road and well pad).

10. Plans for Surface Reclamation:

Due to the facility being on the same pad as the well locations, there will not be any reclamation needed at this site until all wells have been abandoned.

The original stockpiled topsoil will be placed in the low spots, mainly the western 1/3 of the location to help raise the sub grade. It will also be used to fill slopes that are inside the location as staked.

11. Surface Ownership

A. 100% of the Millie Mile 13-24 Fed Com project area is under the administrative jurisdiction of the Bureau of Land Management.

Kenneth Smith is the grazing allottee, there will be an SUA agreed upon and approved prior to any disturbance.

B. The surface is multiple use with the primary uses of the region for grazing and to produce oil and gas.

12. Other Information

Surveying

• **Well Sites.** Well pad locations have been staked. Surveys of the proposed access roads and well pad locations have been completed by Coosa, LLC, a registered professional land surveyor. Center stake surveys with access roads have been completed on Federal lands with Chaz Sartin, Bureau of Land Management Natural Resource Specialist in attendance, on April 9, 2024.

• **Cultural Resources – Archaeology:** A Class III Cultural Resources Examination has been completed on the entire pad by Resi Solutions and the results will be forwarded to the BLM Office.

• **Dwellings and Structures.** There are no dwellings or structures within 2 miles of this location.

Soils and Vegetation

• **Environmental Setting.** Soils are classified as peyote soils and dune land (0-3% slopes) and KD-Kermit palomas (0-3% slopes). Maxie Fish, CHEMM and Cassie Aguillard, Bureau of Land Management Biologist were both at the onsite and said dunes in the SE corner as so isolated and

with the mesquite taking over, the Millie Mile 13-24 Fed Com pad would not affect the DSL habitat.

- **Traffic.** No truck traffic will be operated during periods or in areas of saturated ground when surface rutting could occur. The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along the access road route.

- **Water.** There is no permanent or live water in the immediate or within the project area.

13. Bond Coverage

Bond Coverage is Nationwide. Bond Number: COB 21235

Operator's Representatives:

EGL Resources, Inc. representatives for ensuring compliance of the surface use plan are listed below:

Mikah Thomas

Regulatory Manager

EGL Resources, LLC

223 West Wall Street, Suite 900

Midland, Texas 79701

432-661-7106

Onsite: April 9, 2024, with Chaz Sartin- Bureau of Land Management NRS

Cassie Aguillard- BLM Biologist

Maxie Fish- CHEMM

Jason Hawley- Construction Foreman

Tracy- Kenneth Smith's Field Representative



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

PWD Data Report

08/15/2024

APD ID: 10400097439

Submission Date: 03/07/2024

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres):

PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COMWell Number: 603H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements



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

Bond Info Data

08/15/2024

APD ID: 10400097439

Submission Date: 03/07/2024

Highlighted data
reflects the most
recent changes

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 603H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Bond

Federal/Indian APD: FED

BLM Bond number: NM2693

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

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: PBEX Operations, LLC. **OGRID:** 332544 **Date:** 08/15/2024

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Millie Mile 13-24 Fed Com 101H	30-025-	D-13-19S-33E	208 FNL 375 FWL	922	3105	2104
Millie Mile 13-24 Fed Com 102H	30-025-	D-13-19S-33E	208 FNL 435 FWL	922	3105	2104
Millie Mile 13-24 Fed Com 201H	30-025-	D-13-19S-33E	208 FNL 395 FWL	1176	1733	2585
Millie Mile 13-24 Fed Com 202H	30-025-	D-13-19S-33E	208 FNL 415 FWL	1176	1733	2585
Millie Mile 13-24 Fed Com 601H	30-025-	D-13-19S-33E	204 FNL 175 FWL	1142	3348	4174
Millie Mile 13-24 Fed Com 602H	30-025-	D-13-19S-33E	244 FNL 175 FWL	1142	3348	4174
Millie Mile 13-24 Fed Com 603H	30-025-	D-13-19S-33E	208 FNL 455 FWL	1142	3348	4174
Millie Mile 13-24 Fed Com 801H	30-025-	D-13-19S-33E	224 FNL 175 FWL	740	6964	3684

IV. Central Delivery Point Name: Millie Mile 13-24 Fed Com Battery [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Millie Mile 13-24 Fed Com 101H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 102H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 201H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 202H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 601H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 602H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 603H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025
Millie Mile 13-24 Fed Com 801H	30-025-	10/1/2025	10/16/2025	11/1/2025	11/28/2025	11/28/2025

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

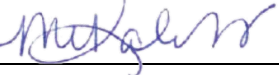
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: 
Printed Name: Mikah Thomas
Title: Regulatory Manager
E-mail Address: mikah@pbex.com
Date: 8/19/2024
Phone: 432.661.7106
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

NATURAL GAS MANAGEMENT PLAN

EGL Resources, Inc

VI. Separation Equipment:

Separation equipment installed at each EGL facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

VII./VIII. Operational & Best Management Practices:**1. General Requirements for Venting and Flaring of Natural Gas:**

- In all circumstances, EGL will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- EGL installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations:

- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions:

- EGL typically does not complete traditional flowback, instead EGL will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If EGL completes traditional flowback, EGL conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator
- Normally, during completion, a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.

4. During Production:

- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
- In all circumstances, EGL will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- EGL's design for new facilities utilizes air-activated pneumatic controllers and pumps.

NATURAL GAS MANAGEMENT PLAN

EGL Resources, Inc

- If natural gas does not meet pipeline quality specifications, the gas is sampled twice per week until the gas meets the specifications.
- EGL does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

5. Performance Standards

- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. The new flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
- New tanks will be equipped with an automatic gauging system.
- An AVO inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.

6. Measurement or Estimation of Vented and Flared Natural Gas

- EGL estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, EGL will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 375153

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 375153
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/5/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	9/5/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	9/5/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	9/5/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	9/5/2024