

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. 30-025-53471
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 801H

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 30-025-53471	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 #801H
⁷ OGRID No. 332544 192308	⁸ Operator Name PBEX Operations, LLC XX EX RESOURCES INC.	⁹ Elevation 3,705'

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		224'	NORTH	175'	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
M	24	19 S	33 E		10'	SOUTH	660'	WEST	LEA

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

¹⁶ SHL/KOP ELEV. 3,705' FTP/PPP1 NMNM 024489 NMNM 100347 NMNM 100861 FTP TO LTP = 10,565.81' LTP BHL	SURFACE HOLE LOCATION & KICK-OFF POINT 224' FNL & 175' FWL NM EAST-NAD 83 NORTH:607,062.09' EAST:759,439.45' LAT:32.66685791 LONG:103.62458145 NM EAST-NAD 27 NORTH:606,998.65' EAST:718,259.67' LAT:32.66673542 LONG:103.62408532 FIRST TAKE POINT & PENETRATION POINT 1 100' FNL & 660' FWL NM EAST-NAD 83 NORTH:607,188.03' EAST:759,924.00' LAT:32.66719515 LONG:103.62300422 NM EAST-NAD 27 NORTH:607,124.58' EAST:718,744.21' LAT:32.66707264 LONG:103.62250813 CORNER COORDINATES NEW MEXICO EAST - NAD 83 A - 2" IRON PIPE N:607285.43' E:759263.64' B - 1/2" IRON ROD N:607295.81' E:761899.55' C - 1/2" IRON ROD N:607303.13' E:764529.73' D - 1/2" IRON ROD N:604661.08' E:764540.62' E - 1/2" IRON ROD N:602023.73' E:764553.26' F - DISTURBED 5/8" IRON ROD N:599383.40' E:764568.05' G - 5/8" IRON ROD N:596745.81' E:764581.39' H - 5/8" IRON ROD N:596732.12' E:761931.04' I - 1-1/2" IRON PIPE N:596719.02' E:759309.88' J - CALCULATED CORNER N:599361.78' E:759296.87' K - 1/2" IRON ROD DISTURBED N:602004.53' E:759283.87' L - BENT 1/2" IRON ROD N:604644.26' E:759273.25' M - 1/2" IRON ROD N:602013.17' E:761918.66'	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. 5/13/24 Signature Date Mikah Thomas Printed Name mikah@pbex.com Email Address
	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 #801H
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Kick Off Point (KOP)

UL D	Section 13	Township 19 S	Range 33 E	Lot	Feet 224	From N/S NORTH	Feet 175	From E/W WEST	County LEA
Latitude 32.66685791					Longitude -103.62458145			NAD 83	

First Take Point (FTP)

UL D	Section 13	Township 19 S	Range 33 E	Lot	Feet 100	From N/S NORTH	Feet 660	From E/W WEST	County LEA
Latitude 32.66719515					Longitude -103.62300422			NAD 83	

Last Take Point (LTP)

UL M	Section 24	Township 19 S	Range 33 E	Lot	Feet 100	From N/S SOUTH	Feet 660	From E/W WEST	County LEA
Latitude 32.63870408					Longitude -103.62308205			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 #801H
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Kick Off Point (KOP)

UL D	Section 13	Township 19 S	Range 33 E	Lot	Feet 224	From N/S NORTH	Feet 175	From E/W WEST	County LEA
Latitude 32.66673542					Longitude -103.62408532			NAD 27	

First Take Point (FTP)

UL D	Section 13	Township 19 S	Range 33 E	Lot	Feet 100	From N/S NORTH	Feet 660	From E/W WEST	County LEA
Latitude 32.66707264					Longitude -103.62250813			NAD 27	

Last Take Point (LTP)

UL M	Section 24	Township 19 S	Range 33 E	Lot	Feet 100	From N/S SOUTH	Feet 660	From E/W WEST	County LEA
Latitude 32.63858152					Longitude -103.62258706			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 601H
BOTTOM HOLE FOOTAGE	10'S & 440'/W
ATS/API ID:	ATS-24-1095
APD ID:	10400097398
Sundry ID:	N/a
Date APD Submitted:	N/a

WELL NAME & NO.:	Millie Mile 13-24 Fed Com 602H
BOTTOM HOLE FOOTAGE	10'S & 1210'/W
ATS/API ID:	ATS-24-1097
APD ID:	10400097438
Sundry ID:	N/a
Date APD Submitted:	N/a

WELL NAME & NO.:	Millie Mile 13-24 Fed Com 801H
BOTTOM HOLE FOOTAGE	10'S & 660'/W
ATS/API ID:	ATS-24-1100
APD ID:	10400097440
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 None	☐ 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.

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: 10400097440

Submission Date: 03/07/2024

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 801H

Well Type: OIL WELL

Well Work Type: Drill

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

Section 1 - General

APD ID: 10400097440

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: 801H

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: 801H

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_801H_C102_Rev_3_20240626084741.pdf

23_101303_Millie_Mile_13_24_Fed_Com_801H_C102_Supplemental_Pages_20240626084757.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	224	FNL	175	FW L	19S	33E	13	Aliquot NWN W	32.6668579	- 103.6245814	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 24489	3705	0	0	Y
KOP Leg #1	224	FNL	175	FW L	19S	33E	13	Aliquot NWN W	32.6687685	- 103.6227724	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 24489	- 7672	11462	11377	Y

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 801H

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	660	FW L	19S	33E	13	Aliquot NWN W	32.6671951	- 103.6230042	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 24489	- 8245	12365	11950	Y
PPP Leg #1-2	1320	FSL	660	FW L	19S	33E	13	Aliquot NENW	32.6565819	- 103.62304	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100347	- 8245	16226	11950	Y
PPP Leg #1-3	0	FNL	660	FW L	19S	33E	13	Aliquot NWN W	32.6529538	- 103.6230523	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100861	- 8245	17546	11950	Y
EXIT Leg #1	100	FSL	660	FW L	19S	33E	24	Aliquot SWS W	32.638704	- 103.623082	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100861	- 8245	22730	11950	Y
BHL Leg #1	10	FSL	660	FW L	19S	33E	24	Aliquot SWS W	32.6384567	- 103.6230825	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 100861	- 8245	22820	11950	Y



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

Drilling Plan Data Report

08/15/2024

APD ID: 10400097440

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: 801H

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
13932871	QUATERNARY	3705	0	0	ALLUVIUM	NONE	N
13932872	RUSTLER	2140	1565	1565	ANHYDRITE, LIMESTONE, SANDSTONE	NONE	N
13932873	TOP SALT	1835	1870	1870	ANHYDRITE, SALT	NONE	N
13932895	BASE OF SALT	590	3115	3115	ANHYDRITE, SALT	NONE	N
13932883	YATES	420	3285	3305	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932874	SEVEN RIVERS	-5	3710	3730	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932875	QUEEN	-575	4280	4300	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932896	GRAYBURG	-865	4570	4570	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932897	SAN ANDRES	-1395	5100	5120	ANHYDRITE, DOLOMITE, SANDSTONE, SHALE	NONE	N
13932877	CHERRY CANYON	-1965	5670	5670	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932878	BRUSHY CANYON	-2655	6360	6360	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932879	BONE SPRING LIME	-4155	7860	7880	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932894	BONE SPRING	-4255	7960	7960	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932880	BONE SPRING 1ST	-5375	9080	9130	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932882	BONE SPRING 2ND	-5685	9390	9440	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y
13932884	BONE SPRING 2ND	-5895	9600	9650	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932885	BONE SPRING 3RD	-6450	10155	10215	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 801H

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13932886	BONE SPRING 3RD	-6795	10500	10580	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932887	WOLFCAMP	-7080	10785	10875	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932888	WOLFCAMP	-7185	10890	10990	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932889	WOLFCAMP	-7225	10930	11060	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932892	WOLFCAMP	-7715	11420	11560	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
13932893	WOLFCAMP	-7825	11530	11680	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	Y

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 and test pressures 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 43 CFR 3172.7(b)(8). 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 2431 psi) high for 30 minutes

Choke Diagram Attachment:

PBEX_10M_Choke_Manifold_20240626085154.pdf

BOP Diagram Attachment:

PBEX_10M_BOP_Diagram_20240626085158.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COMWell Number: 801H

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	3705	1870	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	11200	0	11050	3708	-7345	11200	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	22820	0	11850	3709	-8145	22820	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_20240307062023.pdf

Casing_Design_Assmpt_3_string_casing_20240513134055.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 801H

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_20240307062004.pdf
- Casing_Design_Assmpt_3_string_casing_20240513134038.pdf

Casing ID: 3StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

- 5.5in_P110_EC_Casing_Spec_20240307061921.pdf
- Casing_Design_Assmpt_3_string_casing_20240307061925.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	10050	402	6.19	10	2489.5	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:** 801H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		1005 0	1120 0	130	1.38	13.8	179.4	15	Class C or H	Fluid Loss, Retarder, LCM
PRODUCTION	Lead		8050	1105 0	353	1.49	12.5	526.3	0	Class H	Fluid Loss, Retarder, LCM
PRODUCTION	Tail		1115 0	2282 0	1642	1.49	13.5	2447.3	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	1105 0	SALT SATURATED	8.8	9.6							
1105 0	2282 0	OIL-BASED MUD	12	12.5							
0	1835	WATER-BASED MUD	8.3	8.3							

Operator Name: EGL RESOURCES INCORPORATED**Well Name:** MILLIE MILE 13-24 FED COM**Well Number:** 801H

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:

No core or drill stem test is planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 7703**Anticipated Surface Pressure:** 5073**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_801H_Plan_3_20240513134657.pdf

Millie_Mile_13_24_Fed_Com_801H_Plan_3_AC_Report_20240513134659.pdf

Millie_Mile_13_24_Fed_Com_801H_Plan_3_Plot_20240513134702.pdf

Other proposed operations facets description:**Other proposed operations facets attachment:**

Choke_Kill_Line_Certs_20240513134719.pdf

Rig_597ST_I2_Rig_Layout_Pad_20240513134723.pdf

Speedhead_Specs_3string_20230407122522_20240513134726.pdf

Wellhead_3T_Design_20240513134731.pdf

Millie_Mile_801H_Drill_Plan_3S_8.625_17lb_5.5_070324_v8_20240724111928.pdf

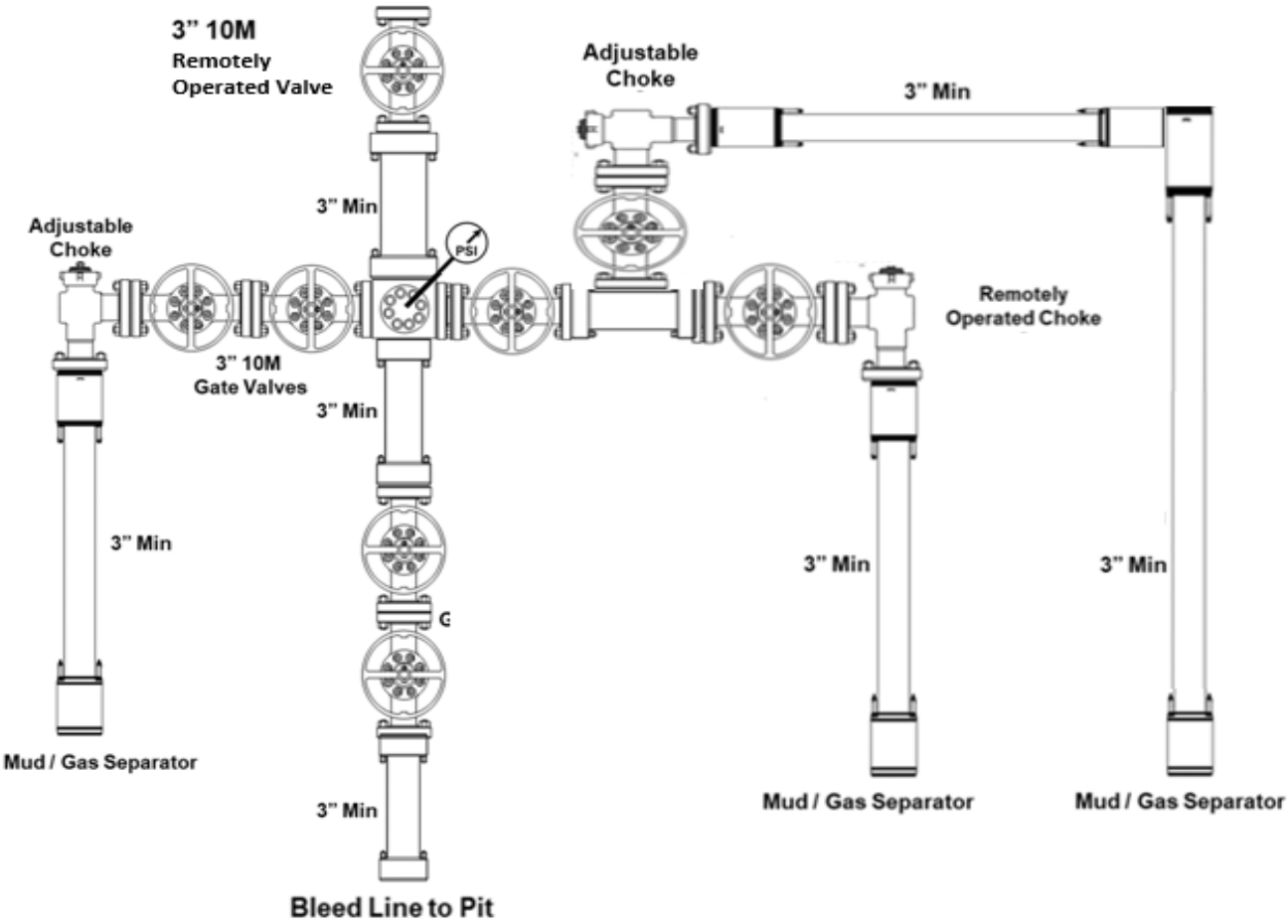
Well_Control_Plan_PBEX_v2_20240724111944.pdf

Other Variance attachment:

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

10M CHOKE MANIFOLD SCHEMATIC

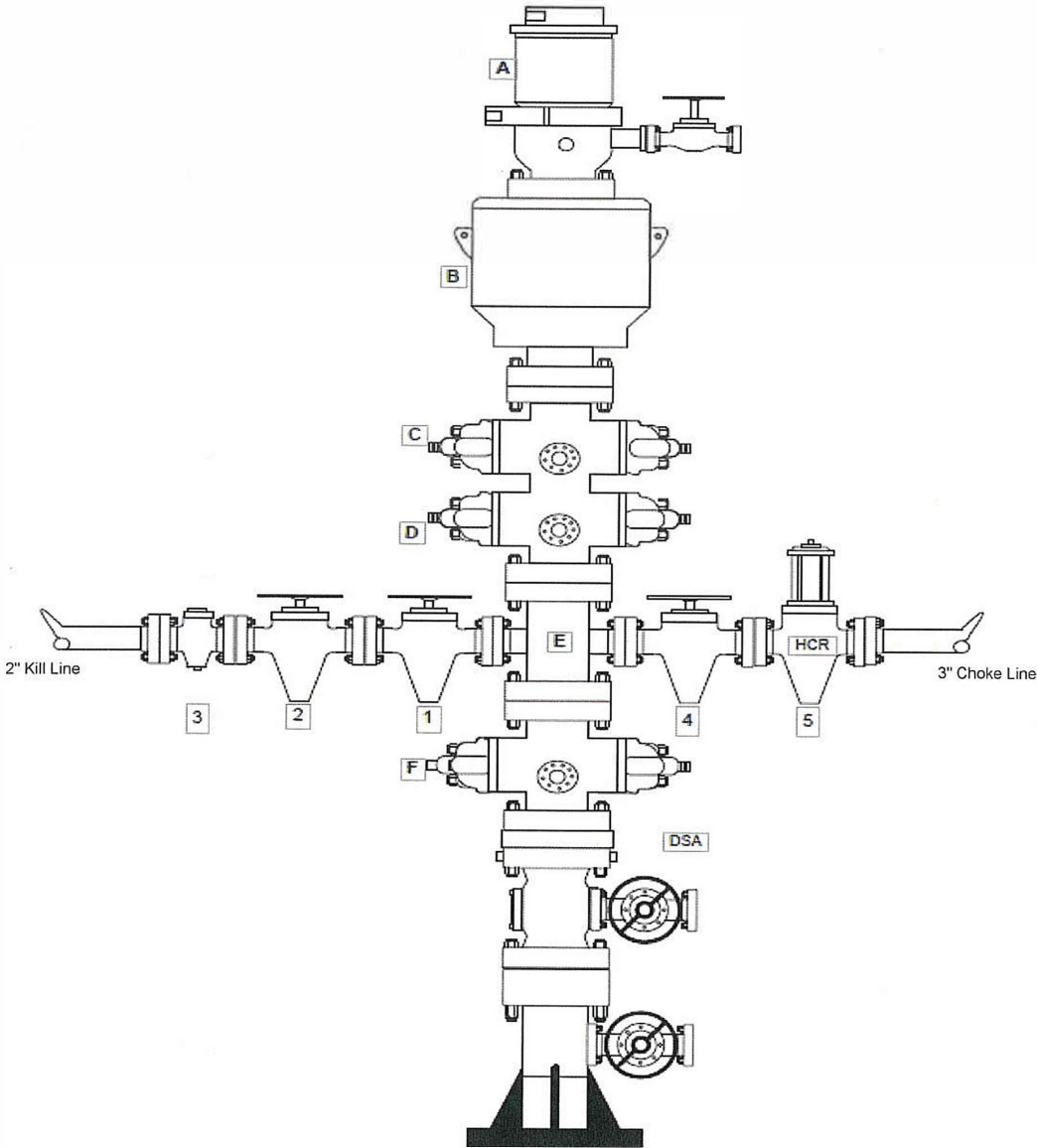
ITEM	SIZE	PRESSURE	DESCRIPTION



	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

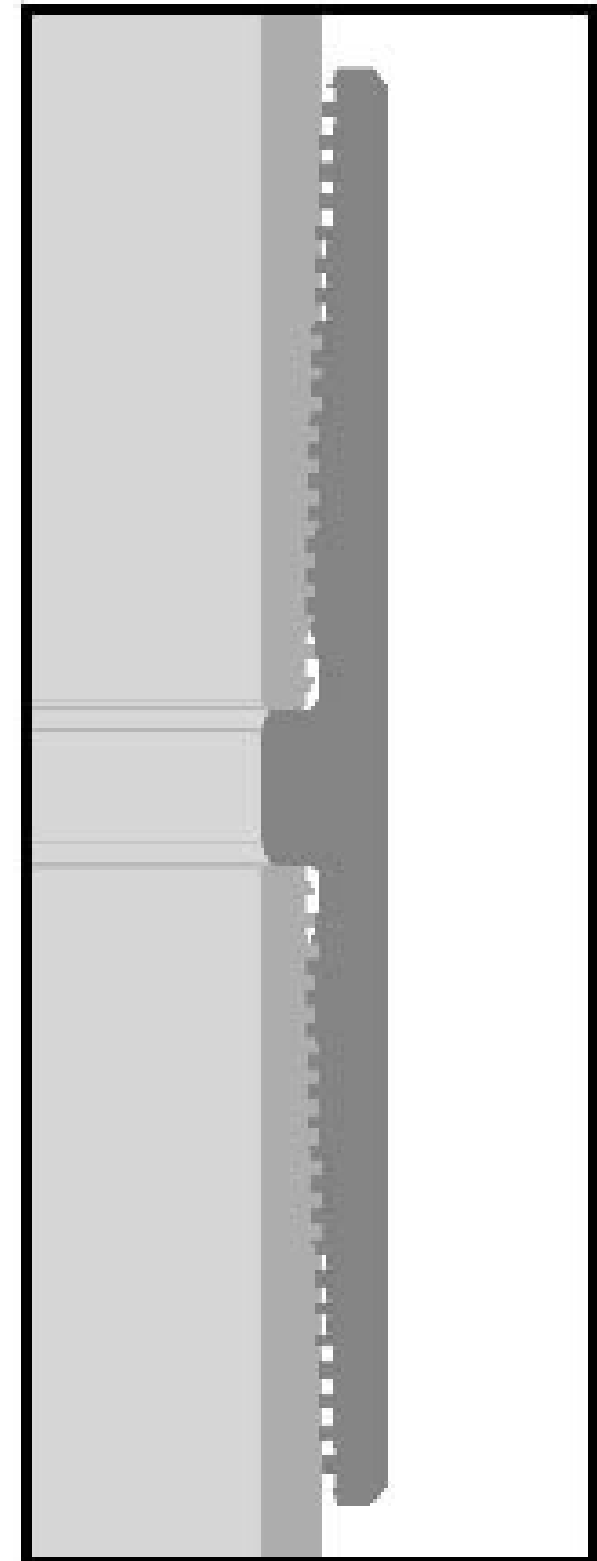
Technical Specifications

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.

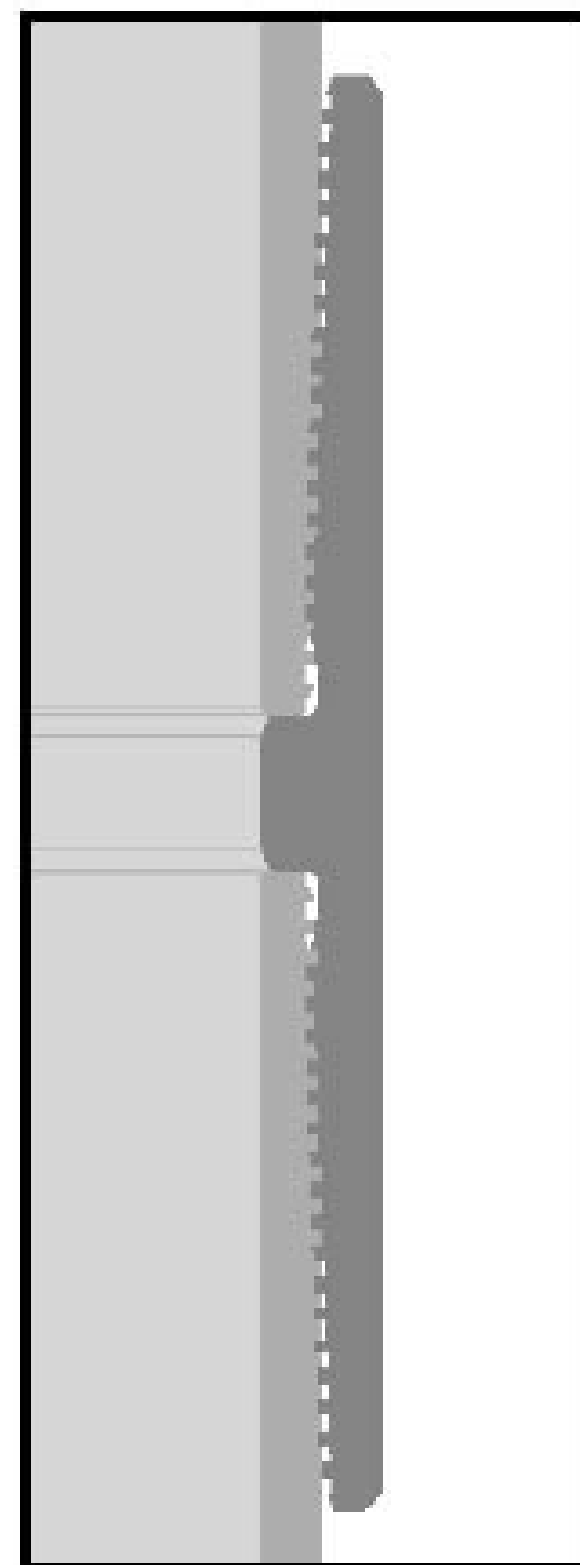
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2/6/2015



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).

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.
- 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: $DF_C = 1.125$

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- 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: $DF_T = 1.60$

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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).



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 801H

Wellbore #1

Plan: Plan 3

Standard Planning Report

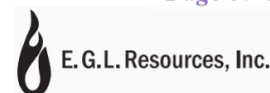
23 April, 2024



E. G. L. Resources, Inc.



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
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 801H	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 801H					
Well Position	+N/-S	0.00 usft	Northing:	607,064.97 usft	Latitude:	32.66686584
	+E/-W	0.00 usft	Easting:	759,438.58 usft	Longitude:	-103.62458423
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	47,546.10000000

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	22,820.31	Plan 3 (Wellbore #1)	MWD+HRGM	
			OWSG MWD + HRGM		



Planning Report

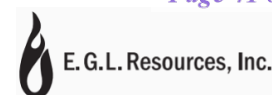


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 801H	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	
2,067.17	11.34	38.47	2,063.47	43.82	34.81	2.00	2.00	0.00	38.47	
6,017.39	11.34	38.47	5,936.53	652.16	518.11	0.00	0.00	0.00	0.00	
6,584.56	0.00	0.01	6,500.00	695.98	552.92	2.00	-2.00	0.00	180.00	
11,461.60	0.00	0.01	11,377.04	695.98	552.92	0.00	0.00	0.00	0.01	
12,361.60	90.00	185.40	11,950.00	125.57	499.00	10.00	10.00	0.00	185.40	
12,644.25	90.00	179.75	11,950.00	-156.68	486.31	2.00	0.00	-2.00	-90.00	
22,820.31	90.00	179.75	11,950.00	-10,332.65	531.24	0.00	0.00	0.00	0.00	MM 801H PBHL(10' F



Planning Report

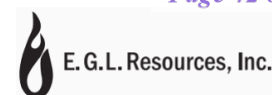


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 801H	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	38.47	1,599.98	1.37	1.09	-1.37	2.00	2.00	0.00
1,700.00	4.00	38.47	1,699.84	5.46	4.34	-5.46	2.00	2.00	0.00
1,800.00	6.00	38.47	1,799.45	12.29	9.76	-12.29	2.00	2.00	0.00
1,900.00	8.00	38.47	1,898.70	21.83	17.34	-21.83	2.00	2.00	0.00
2,000.00	10.00	38.47	1,997.47	34.08	27.07	-34.08	2.00	2.00	0.00
2,067.17	11.34	38.47	2,063.47	43.82	34.81	-43.82	2.00	2.00	0.00
Start 3950.23 hold at 2067.17 MD									
2,100.00	11.34	38.47	2,095.66	48.87	38.83	-48.87	0.00	0.00	0.00
2,200.00	11.34	38.47	2,193.71	64.27	51.06	-64.27	0.00	0.00	0.00
2,300.00	11.34	38.47	2,291.75	79.67	63.30	-79.67	0.00	0.00	0.00
2,400.00	11.34	38.47	2,389.80	95.07	75.53	-95.07	0.00	0.00	0.00
2,500.00	11.34	38.47	2,487.85	110.47	87.77	-110.47	0.00	0.00	0.00
2,600.00	11.34	38.47	2,585.89	125.87	100.00	-125.87	0.00	0.00	0.00
2,700.00	11.34	38.47	2,683.94	141.27	112.24	-141.27	0.00	0.00	0.00
2,800.00	11.34	38.47	2,781.99	156.67	124.47	-156.67	0.00	0.00	0.00
2,900.00	11.34	38.47	2,880.03	172.08	136.70	-172.08	0.00	0.00	0.00
3,000.00	11.34	38.47	2,978.08	187.48	148.94	-187.48	0.00	0.00	0.00
3,100.00	11.34	38.47	3,076.13	202.88	161.17	-202.88	0.00	0.00	0.00
3,200.00	11.34	38.47	3,174.17	218.28	173.41	-218.28	0.00	0.00	0.00
3,300.00	11.34	38.47	3,272.22	233.68	185.64	-233.68	0.00	0.00	0.00
3,400.00	11.34	38.47	3,370.27	249.08	197.88	-249.08	0.00	0.00	0.00
3,500.00	11.34	38.47	3,468.31	264.48	210.11	-264.48	0.00	0.00	0.00
3,600.00	11.34	38.47	3,566.36	279.88	222.35	-279.88	0.00	0.00	0.00
3,700.00	11.34	38.47	3,664.41	295.28	234.58	-295.28	0.00	0.00	0.00
3,800.00	11.34	38.47	3,762.45	310.68	246.82	-310.68	0.00	0.00	0.00
3,900.00	11.34	38.47	3,860.50	326.08	259.05	-326.08	0.00	0.00	0.00
4,000.00	11.34	38.47	3,958.55	341.48	271.29	-341.48	0.00	0.00	0.00
4,100.00	11.34	38.47	4,056.59	356.88	283.52	-356.88	0.00	0.00	0.00
4,200.00	11.34	38.47	4,154.64	372.28	295.76	-372.28	0.00	0.00	0.00
4,300.00	11.34	38.47	4,252.69	387.68	307.99	-387.68	0.00	0.00	0.00
4,400.00	11.34	38.47	4,350.73	403.08	320.23	-403.08	0.00	0.00	0.00
4,500.00	11.34	38.47	4,448.78	418.48	332.46	-418.48	0.00	0.00	0.00
4,600.00	11.34	38.47	4,546.83	433.88	344.70	-433.88	0.00	0.00	0.00
4,700.00	11.34	38.47	4,644.87	449.28	356.93	-449.28	0.00	0.00	0.00
4,800.00	11.34	38.47	4,742.92	464.68	369.17	-464.68	0.00	0.00	0.00
4,900.00	11.34	38.47	4,840.97	480.08	381.40	-480.08	0.00	0.00	0.00
5,000.00	11.34	38.47	4,939.01	495.48	393.63	-495.48	0.00	0.00	0.00



Planning Report

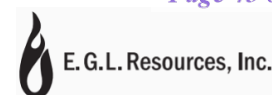


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 801H	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)
5,100.00	11.34	38.47	5,037.06	510.88	405.87	-510.88	0.00	0.00	0.00
5,200.00	11.34	38.47	5,135.11	526.28	418.10	-526.28	0.00	0.00	0.00
5,300.00	11.34	38.47	5,233.15	541.68	430.34	-541.68	0.00	0.00	0.00
5,400.00	11.34	38.47	5,331.20	557.08	442.57	-557.08	0.00	0.00	0.00
5,500.00	11.34	38.47	5,429.25	572.48	454.81	-572.48	0.00	0.00	0.00
5,600.00	11.34	38.47	5,527.29	587.88	467.04	-587.88	0.00	0.00	0.00
5,700.00	11.34	38.47	5,625.34	603.28	479.28	-603.28	0.00	0.00	0.00
5,800.00	11.34	38.47	5,723.39	618.68	491.51	-618.68	0.00	0.00	0.00
5,900.00	11.34	38.47	5,821.43	634.09	503.75	-634.09	0.00	0.00	0.00
6,000.00	11.34	38.47	5,919.48	649.49	515.98	-649.49	0.00	0.00	0.00
6,017.39	11.34	38.47	5,936.53	652.16	518.11	-652.16	0.00	0.00	0.00
Start Drop -2.00									
6,100.00	9.69	38.47	6,017.75	663.97	527.49	-663.97	2.00	-2.00	0.00
6,200.00	7.69	38.47	6,116.60	675.80	536.89	-675.80	2.00	-2.00	0.00
6,300.00	5.69	38.47	6,215.91	684.92	544.14	-684.92	2.00	-2.00	0.00
6,400.00	3.69	38.47	6,315.57	691.33	549.22	-691.33	2.00	-2.00	0.00
6,500.00	1.69	38.47	6,415.45	695.00	552.14	-695.00	2.00	-2.00	0.00
6,584.56	0.00	0.01	6,500.00	695.98	552.92	-695.98	2.00	-2.00	0.00
Start 4877.04 hold at 6584.56 MD									
6,600.00	0.00	0.00	6,515.44	695.98	552.92	-695.98	0.00	0.00	0.00
6,700.00	0.00	0.00	6,615.44	695.98	552.92	-695.98	0.00	0.00	0.00
6,800.00	0.00	0.00	6,715.44	695.98	552.92	-695.98	0.00	0.00	0.00
6,900.00	0.00	0.00	6,815.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,000.00	0.00	0.00	6,915.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,100.00	0.00	0.00	7,015.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,200.00	0.00	0.00	7,115.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,300.00	0.00	0.00	7,215.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,400.00	0.00	0.00	7,315.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,500.00	0.00	0.00	7,415.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,600.00	0.00	0.00	7,515.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,700.00	0.00	0.00	7,615.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,800.00	0.00	0.00	7,715.44	695.98	552.92	-695.98	0.00	0.00	0.00
7,900.00	0.00	0.00	7,815.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,000.00	0.00	0.00	7,915.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,100.00	0.00	0.00	8,015.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,200.00	0.00	0.00	8,115.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,300.00	0.00	0.00	8,215.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,400.00	0.00	0.00	8,315.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,500.00	0.00	0.00	8,415.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,600.00	0.00	0.00	8,515.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,700.00	0.00	0.00	8,615.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,800.00	0.00	0.00	8,715.44	695.98	552.92	-695.98	0.00	0.00	0.00
8,900.00	0.00	0.00	8,815.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,000.00	0.00	0.00	8,915.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,100.00	0.00	0.00	9,015.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,200.00	0.00	0.00	9,115.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,300.00	0.00	0.00	9,215.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,400.00	0.00	0.00	9,315.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,500.00	0.00	0.00	9,415.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,600.00	0.00	0.00	9,515.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,700.00	0.00	0.00	9,615.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,800.00	0.00	0.00	9,715.44	695.98	552.92	-695.98	0.00	0.00	0.00
9,900.00	0.00	0.00	9,815.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,000.00	0.00	0.00	9,915.44	695.98	552.92	-695.98	0.00	0.00	0.00



Planning Report

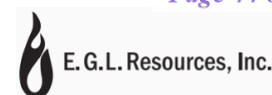


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 801H	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)
10,100.00	0.00	0.00	10,015.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,200.00	0.00	0.00	10,115.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,300.00	0.00	0.00	10,215.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,400.00	0.00	0.00	10,315.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,500.00	0.00	0.00	10,415.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,600.00	0.00	0.00	10,515.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,700.00	0.00	0.00	10,615.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,800.00	0.00	0.00	10,715.44	695.98	552.92	-695.98	0.00	0.00	0.00
10,900.00	0.00	0.00	10,815.44	695.98	552.92	-695.98	0.00	0.00	0.00
11,000.00	0.00	0.00	10,915.44	695.98	552.92	-695.98	0.00	0.00	0.00
11,100.00	0.00	0.00	11,015.44	695.98	552.92	-695.98	0.00	0.00	0.00
11,200.00	0.00	0.00	11,115.44	695.98	552.92	-695.98	0.00	0.00	0.00
11,300.00	0.00	0.00	11,215.44	695.98	552.92	-695.98	0.00	0.00	0.00
11,400.00	0.00	0.00	11,315.44	695.98	552.92	-695.98	0.00	0.00	0.00
11,461.60	0.00	0.00	11,377.04	695.98	552.92	-695.98	0.00	0.00	0.00
Start Build 10.00									
11,500.00	3.84	185.40	11,415.41	694.70	552.80	-694.70	10.00	10.00	0.00
11,550.00	8.84	185.40	11,465.09	689.20	552.28	-689.20	10.00	10.00	0.00
11,600.00	13.84	185.40	11,514.10	679.42	551.35	-679.42	10.00	10.00	0.00
11,650.00	18.84	185.40	11,562.06	665.42	550.03	-665.42	10.00	10.00	0.00
11,700.00	23.84	185.40	11,608.62	647.31	548.32	-647.31	10.00	10.00	0.00
11,750.00	28.84	185.40	11,653.42	625.23	546.23	-625.23	10.00	10.00	0.00
11,800.00	33.84	185.40	11,696.11	599.35	543.79	-599.35	10.00	10.00	0.00
11,850.00	38.84	185.40	11,736.37	569.86	541.00	-569.86	10.00	10.00	0.00
11,900.00	43.84	185.40	11,773.90	536.99	537.89	-536.99	10.00	10.00	0.00
11,950.00	48.84	185.40	11,808.41	500.99	534.49	-500.99	10.00	10.00	0.00
12,000.00	53.84	185.40	11,839.63	462.13	530.81	-462.13	10.00	10.00	0.00
12,050.00	58.84	185.40	11,867.34	420.71	526.90	-420.71	10.00	10.00	0.00
12,100.00	63.84	185.40	11,891.31	377.05	522.77	-377.05	10.00	10.00	0.00
12,150.00	68.84	185.40	11,911.37	331.47	518.46	-331.47	10.00	10.00	0.00
12,200.00	73.84	185.40	11,927.36	284.32	514.01	-284.32	10.00	10.00	0.00
12,250.00	78.84	185.40	11,939.16	235.97	509.44	-235.97	10.00	10.00	0.00
12,300.00	83.84	185.40	11,946.69	186.77	504.79	-186.77	10.00	10.00	0.00
12,350.00	88.84	185.40	11,949.88	137.11	500.09	-137.11	10.00	10.00	0.00
12,361.60	90.00	185.40	11,950.00	125.57	499.00	-125.57	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
12,400.00	90.00	184.63	11,950.00	87.31	495.64	-87.31	2.00	0.00	-2.00
12,500.00	90.00	182.63	11,950.00	-12.48	489.31	12.48	2.00	0.00	-2.00
12,600.00	90.00	180.63	11,950.00	-112.44	486.46	112.44	2.00	0.00	-2.00
12,644.25	90.00	179.75	11,950.00	-156.68	486.31	156.68	2.00	0.00	-2.00
Start 10176.07 hold at 12644.25 MD									
12,700.00	90.00	179.75	11,950.00	-212.44	486.56	212.44	0.00	0.00	0.00
12,800.00	90.00	179.75	11,950.00	-312.44	487.00	312.44	0.00	0.00	0.00
12,900.00	90.00	179.75	11,950.00	-412.43	487.44	412.43	0.00	0.00	0.00
13,000.00	90.00	179.75	11,950.00	-512.43	487.88	512.43	0.00	0.00	0.00
13,100.00	90.00	179.75	11,950.00	-612.43	488.33	612.43	0.00	0.00	0.00
13,200.00	90.00	179.75	11,950.00	-712.43	488.77	712.43	0.00	0.00	0.00
13,300.00	90.00	179.75	11,950.00	-812.43	489.21	812.43	0.00	0.00	0.00
13,400.00	90.00	179.75	11,950.00	-912.43	489.65	912.43	0.00	0.00	0.00
13,500.00	90.00	179.75	11,950.00	-1,012.43	490.09	1,012.43	0.00	0.00	0.00
13,600.00	90.00	179.75	11,950.00	-1,112.43	490.53	1,112.43	0.00	0.00	0.00
13,700.00	90.00	179.75	11,950.00	-1,212.43	490.98	1,212.43	0.00	0.00	0.00
13,800.00	90.00	179.75	11,950.00	-1,312.43	491.42	1,312.43	0.00	0.00	0.00



Planning Report

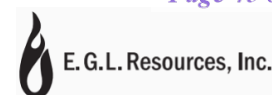


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 801H	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	11,950.00	-1,412.42	491.86	1,412.42	0.00	0.00	0.00
14,000.00	90.00	179.75	11,950.00	-1,512.42	492.30	1,512.42	0.00	0.00	0.00
14,100.00	90.00	179.75	11,950.00	-1,612.42	492.74	1,612.42	0.00	0.00	0.00
14,200.00	90.00	179.75	11,950.00	-1,712.42	493.18	1,712.42	0.00	0.00	0.00
14,300.00	90.00	179.75	11,950.00	-1,812.42	493.62	1,812.42	0.00	0.00	0.00
14,400.00	90.00	179.75	11,950.00	-1,912.42	494.07	1,912.42	0.00	0.00	0.00
14,500.00	90.00	179.75	11,950.00	-2,012.42	494.51	2,012.42	0.00	0.00	0.00
14,600.00	90.00	179.75	11,950.00	-2,112.42	494.95	2,112.42	0.00	0.00	0.00
14,700.00	90.00	179.75	11,950.00	-2,212.42	495.39	2,212.42	0.00	0.00	0.00
14,800.00	90.00	179.75	11,950.00	-2,312.42	495.83	2,312.42	0.00	0.00	0.00
14,900.00	90.00	179.75	11,950.00	-2,412.42	496.27	2,412.42	0.00	0.00	0.00
15,000.00	90.00	179.75	11,950.00	-2,512.41	496.71	2,512.41	0.00	0.00	0.00
15,100.00	90.00	179.75	11,950.00	-2,612.41	497.16	2,612.41	0.00	0.00	0.00
15,200.00	90.00	179.75	11,950.00	-2,712.41	497.60	2,712.41	0.00	0.00	0.00
15,300.00	90.00	179.75	11,950.00	-2,812.41	498.04	2,812.41	0.00	0.00	0.00
15,400.00	90.00	179.75	11,950.00	-2,912.41	498.48	2,912.41	0.00	0.00	0.00
15,500.00	90.00	179.75	11,950.00	-3,012.41	498.92	3,012.41	0.00	0.00	0.00
15,600.00	90.00	179.75	11,950.00	-3,112.41	499.36	3,112.41	0.00	0.00	0.00
15,700.00	90.00	179.75	11,950.00	-3,212.41	499.81	3,212.41	0.00	0.00	0.00
15,800.00	90.00	179.75	11,950.00	-3,312.41	500.25	3,312.41	0.00	0.00	0.00
15,900.00	90.00	179.75	11,950.00	-3,412.41	500.69	3,412.41	0.00	0.00	0.00
16,000.00	90.00	179.75	11,950.00	-3,512.40	501.13	3,512.40	0.00	0.00	0.00
16,100.00	90.00	179.75	11,950.00	-3,612.40	501.57	3,612.40	0.00	0.00	0.00
16,200.00	90.00	179.75	11,950.00	-3,712.40	502.01	3,712.40	0.00	0.00	0.00
16,300.00	90.00	179.75	11,950.00	-3,812.40	502.45	3,812.40	0.00	0.00	0.00
16,400.00	90.00	179.75	11,950.00	-3,912.40	502.90	3,912.40	0.00	0.00	0.00
16,500.00	90.00	179.75	11,950.00	-4,012.40	503.34	4,012.40	0.00	0.00	0.00
16,600.00	90.00	179.75	11,950.00	-4,112.40	503.78	4,112.40	0.00	0.00	0.00
16,700.00	90.00	179.75	11,950.00	-4,212.40	504.22	4,212.40	0.00	0.00	0.00
16,800.00	90.00	179.75	11,950.00	-4,312.40	504.66	4,312.40	0.00	0.00	0.00
16,900.00	90.00	179.75	11,950.00	-4,412.40	505.10	4,412.40	0.00	0.00	0.00
17,000.00	90.00	179.75	11,950.00	-4,512.39	505.55	4,512.39	0.00	0.00	0.00
17,100.00	90.00	179.75	11,950.00	-4,612.39	505.99	4,612.39	0.00	0.00	0.00
17,200.00	90.00	179.75	11,950.00	-4,712.39	506.43	4,712.39	0.00	0.00	0.00
17,300.00	90.00	179.75	11,950.00	-4,812.39	506.87	4,812.39	0.00	0.00	0.00
17,400.00	90.00	179.75	11,950.00	-4,912.39	507.31	4,912.39	0.00	0.00	0.00
17,500.00	90.00	179.75	11,950.00	-5,012.39	507.75	5,012.39	0.00	0.00	0.00
17,600.00	90.00	179.75	11,950.00	-5,112.39	508.19	5,112.39	0.00	0.00	0.00
17,700.00	90.00	179.75	11,950.00	-5,212.39	508.64	5,212.39	0.00	0.00	0.00
17,800.00	90.00	179.75	11,950.00	-5,312.39	509.08	5,312.39	0.00	0.00	0.00
17,900.00	90.00	179.75	11,950.00	-5,412.39	509.52	5,412.39	0.00	0.00	0.00
18,000.00	90.00	179.75	11,950.00	-5,512.38	509.96	5,512.38	0.00	0.00	0.00
18,100.00	90.00	179.75	11,950.00	-5,612.38	510.40	5,612.38	0.00	0.00	0.00
18,200.00	90.00	179.75	11,950.00	-5,712.38	510.84	5,712.38	0.00	0.00	0.00
18,300.00	90.00	179.75	11,950.00	-5,812.38	511.28	5,812.38	0.00	0.00	0.00
18,400.00	90.00	179.75	11,950.00	-5,912.38	511.73	5,912.38	0.00	0.00	0.00
18,500.00	90.00	179.75	11,950.00	-6,012.38	512.17	6,012.38	0.00	0.00	0.00
18,600.00	90.00	179.75	11,950.00	-6,112.38	512.61	6,112.38	0.00	0.00	0.00
18,700.00	90.00	179.75	11,950.00	-6,212.38	513.05	6,212.38	0.00	0.00	0.00
18,800.00	90.00	179.75	11,950.00	-6,312.38	513.49	6,312.38	0.00	0.00	0.00
18,900.00	90.00	179.75	11,950.00	-6,412.38	513.93	6,412.38	0.00	0.00	0.00
19,000.00	90.00	179.75	11,950.00	-6,512.38	514.38	6,512.38	0.00	0.00	0.00
19,100.00	90.00	179.75	11,950.00	-6,612.37	514.82	6,612.37	0.00	0.00	0.00
19,200.00	90.00	179.75	11,950.00	-6,712.37	515.26	6,712.37	0.00	0.00	0.00



Planning Report

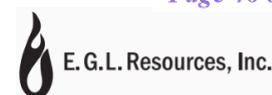


Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
Company:	E.G.L. Resources, Inc.	TVD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Project:	Lea, County NM (NAD 83)	MD Reference:	RKB 25' + GL 3708.57 @ 3733.57usft
Site:	Millie Mile Pad	North Reference:	Grid
Well:	Millie Mile 13-24 Fed Com 801H	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	11,950.00	-6,812.37	515.70	6,812.37	0.00	0.00	0.00	
19,400.00	90.00	179.75	11,950.00	-6,912.37	516.14	6,912.37	0.00	0.00	0.00	
19,500.00	90.00	179.75	11,950.00	-7,012.37	516.58	7,012.37	0.00	0.00	0.00	
19,600.00	90.00	179.75	11,950.00	-7,112.37	517.02	7,112.37	0.00	0.00	0.00	
19,700.00	90.00	179.75	11,950.00	-7,212.37	517.47	7,212.37	0.00	0.00	0.00	
19,800.00	90.00	179.75	11,950.00	-7,312.37	517.91	7,312.37	0.00	0.00	0.00	
19,900.00	90.00	179.75	11,950.00	-7,412.37	518.35	7,412.37	0.00	0.00	0.00	
20,000.00	90.00	179.75	11,950.00	-7,512.37	518.79	7,512.37	0.00	0.00	0.00	
20,100.00	90.00	179.75	11,950.00	-7,612.36	519.23	7,612.36	0.00	0.00	0.00	
20,200.00	90.00	179.75	11,950.00	-7,712.36	519.67	7,712.36	0.00	0.00	0.00	
20,300.00	90.00	179.75	11,950.00	-7,812.36	520.11	7,812.36	0.00	0.00	0.00	
20,400.00	90.00	179.75	11,950.00	-7,912.36	520.56	7,912.36	0.00	0.00	0.00	
20,500.00	90.00	179.75	11,950.00	-8,012.36	521.00	8,012.36	0.00	0.00	0.00	
20,600.00	90.00	179.75	11,950.00	-8,112.36	521.44	8,112.36	0.00	0.00	0.00	
20,700.00	90.00	179.75	11,950.00	-8,212.36	521.88	8,212.36	0.00	0.00	0.00	
20,800.00	90.00	179.75	11,950.00	-8,312.36	522.32	8,312.36	0.00	0.00	0.00	
20,900.00	90.00	179.75	11,950.00	-8,412.36	522.76	8,412.36	0.00	0.00	0.00	
21,000.00	90.00	179.75	11,950.00	-8,512.36	523.21	8,512.36	0.00	0.00	0.00	
21,100.00	90.00	179.75	11,950.00	-8,612.35	523.65	8,612.35	0.00	0.00	0.00	
21,200.00	90.00	179.75	11,950.00	-8,712.35	524.09	8,712.35	0.00	0.00	0.00	
21,300.00	90.00	179.75	11,950.00	-8,812.35	524.53	8,812.35	0.00	0.00	0.00	
21,400.00	90.00	179.75	11,950.00	-8,912.35	524.97	8,912.35	0.00	0.00	0.00	
21,500.00	90.00	179.75	11,950.00	-9,012.35	525.41	9,012.35	0.00	0.00	0.00	
21,600.00	90.00	179.75	11,950.00	-9,112.35	525.85	9,112.35	0.00	0.00	0.00	
21,700.00	90.00	179.75	11,950.00	-9,212.35	526.30	9,212.35	0.00	0.00	0.00	
21,800.00	90.00	179.75	11,950.00	-9,312.35	526.74	9,312.35	0.00	0.00	0.00	
21,900.00	90.00	179.75	11,950.00	-9,412.35	527.18	9,412.35	0.00	0.00	0.00	
22,000.00	90.00	179.75	11,950.00	-9,512.35	527.62	9,512.35	0.00	0.00	0.00	
22,100.00	90.00	179.75	11,950.00	-9,612.34	528.06	9,612.34	0.00	0.00	0.00	
22,200.00	90.00	179.75	11,950.00	-9,712.34	528.50	9,712.34	0.00	0.00	0.00	
22,300.00	90.00	179.75	11,950.00	-9,812.34	528.95	9,812.34	0.00	0.00	0.00	
22,400.00	90.00	179.75	11,950.00	-9,912.34	529.39	9,912.34	0.00	0.00	0.00	
22,500.00	90.00	179.75	11,950.00	-10,012.34	529.83	10,012.34	0.00	0.00	0.00	
22,600.00	90.00	179.75	11,950.00	-10,112.34	530.27	10,112.34	0.00	0.00	0.00	
22,700.00	90.00	179.75	11,950.00	-10,212.34	530.71	10,212.34	0.00	0.00	0.00	
22,800.00	90.00	179.75	11,950.00	-10,312.34	531.15	10,312.34	0.00	0.00	0.00	
22,820.31	90.00	179.75	11,950.00	-10,332.65	531.24	10,332.65	0.00	0.00	0.00	
TD at 22820.31										



Planning Report



Database:	1 - EDM Production	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
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 801H	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 801H SHL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	607,064.97	759,438.58	32.66686584	-103.62458423
MM 801H VP - plan hits target center - Point	0.00	0.00	6,500.00	695.98	552.92	607,760.95	759,991.50	32.66876858	-103.62277242
MM 801H KOP - plan hits target center - Point	0.00	0.00	11,377.04	695.98	552.92	607,760.95	759,991.50	32.66876858	-103.62277242
MM 801H PBHL(10' FSL - plan hits target center - Point	0.00	0.00	11,950.00	-10,332.65	531.24	596,732.32	759,969.82	32.63845671	-103.62308257
MM 801H LTP(100' FSL - plan misses target center by 0.05usft at 22730.31usft MD (11950.00 TVD, -10242.65 N, 530.85 E) - Point	0.00	0.00	11,950.00	-10,242.65	530.80	596,822.32	759,969.38	32.63870408	-103.62308205
MM 801H PPP2(1320' F - plan misses target center by 1.90usft at 16225.91usft MD (11950.00 TVD, -3738.31 N, 502.13 E) - Point	0.00	0.00	11,950.00	-3,738.32	500.23	603,326.65	759,938.81	32.65658186	-103.62304004
MM 801H PPP3(0' FNL - plan misses target center by 2.67usft at 17545.87usft MD (11950.00 TVD, -5058.26 N, 507.96 E) - Point	0.00	0.00	11,950.00	-5,058.27	505.29	602,006.70	759,943.87	32.65295388	-103.62305229
MM 801H FTP/PPP1(10 - plan misses target center by 13.27usft at 12365.31usft MD (11950.00 TVD, 121.87 N, 498.65 E) - Point	0.00	0.00	11,950.00	123.03	485.43	607,188.01	759,924.01	32.66719508	-103.62300419

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
22,798.38	11,950.00	20" Casing	20	24	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.00	1,500.00	0.00	0.00	Start Build 2.00	
2,067.17	2,063.47	43.82	34.81	Start 3950.23 hold at 2067.17 MD	
6,017.39	5,936.53	652.16	518.11	Start Drop -2.00	
6,584.56	6,500.00	695.98	552.92	Start 4877.04 hold at 6584.56 MD	
11,461.60	11,377.04	695.98	552.92	Start Build 10.00	
12,361.60	11,950.00	125.57	499.00	Start DLS 2.00 TFO -90.00	
12,644.25	11,950.00	-156.68	486.31	Start 10176.07 hold at 12644.25 MD	
22,820.31	11,950.00	-10,332.65	531.24	TD at 22820.31	



E.G.L. Resources, Inc.

Lea, County NM (NAD 83)

Millie Mile Pad

Millie Mile 13-24 Fed Com 801H

Wellbore #1

Plan 3

Anticollision Report

23 April, 2024



E. G. L. Resources, Inc.



Anticollision Report



Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
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 801H	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	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,100.00usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	4/23/2024		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	22,820.31	Plan 3 (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM	

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	9,703.88	9,903.47	685.81	648.36	18.310	CC, ES
BUFFALO 12-1 FED COM 2BS 1H - Wellbore #1 - Wellbo	9,800.00	9,919.45	692.31	654.09	18.111	SF
BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellbo	11,740.62	11,765.00	537.24	493.94	12.405	CC, ES
BUFFALO 12-1 FED COM WCC 6H - Wellbore #1 - Wellbo	11,800.00	11,765.00	540.87	496.95	12.314	SF
ESMERALDA 24 FEDERAL 1 (P&A) - Wellbore #1 - Well	21,179.55	11,893.43	1,319.17	983.36	3.928	CC
ESMERALDA 24 FEDERAL 1 (P&A) - Wellbore #1 - Well	21,200.00	11,893.43	1,319.33	983.15	3.925	ES, SF
LA RICA FEDERAL 1 (P&A) - Wellbore #1 - Wellbore #1	15,573.57	11,925.43	24.30	-233.69	0.094	No-Go Zone - Stop Drilling, (
Millie Mile 13-24 Fed Com 101H - Wellbore #1 - Plan 3	4,274.79	4,254.87	54.73	24.77	1.827	Collision Risk Procedures R
Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3	2,125.14	2,090.52	250.17	237.16	19.233	CC, ES
Millie Mile 13-24 Fed Com 102H - Wellbore #1 - Plan 3	2,400.00	2,342.59	262.37	247.98	18.232	SF
Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3	6,000.00	5,991.63	57.05	25.61	1.814	Collision Risk Procedures R
Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3	6,085.82	6,075.97	54.81	26.59	1.942	Collision Risk Procedures R
Millie Mile 13-24 Fed Com 201H - Wellbore #1 - Plan 3	9,900.00	9,885.06	71.85	30.29	1.729	Collision Risk Procedures R
Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3	1,200.00	1,200.00	240.83	232.53	28.995	CC, ES
Millie Mile 13-24 Fed Com 202H - Wellbore #1 - Plan 3	2,300.00	2,233.93	283.06	268.19	19.036	SF
Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3	1,500.00	1,500.00	20.00	10.59	2.125	CC
Millie Mile 13-24 Fed Com 601H - Wellbore #1 - Plan 3	1,700.00	1,698.69	21.08	10.11	1.921	Collision Risk Procedures R
Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3	1,500.00	1,500.00	20.00	10.59	2.125	CC
Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3	1,600.00	1,600.40	20.37	10.44	2.052	ES
Millie Mile 13-24 Fed Com 602H - Wellbore #1 - Plan 3	1,700.00	1,700.78	21.51	10.87	2.022	SF
Millie Mile 13-24 Fed Com 603H - Wellbore #1 - Plan 3	1,874.84	1,853.45	277.46	266.31	24.882	CC
Millie Mile 13-24 Fed Com 603H - Wellbore #1 - Plan 3	1,900.00	1,876.58	277.50	266.24	24.630	ES
Millie Mile 13-24 Fed Com 603H - Wellbore #1 - Plan 3	22,820.31	22,584.05	1,715.63	1,465.34	6.855	SF

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		Offset Wellbore Centre		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	10.93	-0.40	0.50	0.50	72.97	350.63	1,144.37	1,196.88			
100.00	100.00	107.44	96.11	0.66	0.74	72.96	350.84	1,144.49	1,197.06	1,195.66	1.40	855.131
200.00	200.00	204.24	192.91	1.35	1.10	72.93	351.43	1,144.80	1,197.55	1,195.11	2.43	491.827
300.00	300.00	308.54	297.20	1.82	1.59	72.90	352.23	1,145.00	1,197.95	1,194.58	3.37	354.999
400.00	400.00	411.30	399.96	2.19	2.04	72.86	353.15	1,144.81	1,198.04	1,193.89	4.15	288.520

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 801H
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 801H	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)			
500.00	500.00	512.56	501.22	2.51	2.41	72.82	353.90	1,144.53	1,198.00	1,193.20	4.80	249.600	
600.00	600.00	613.07	601.72	2.80	2.74	72.79	354.36	1,144.24	1,197.86	1,192.49	5.37	223.064	
677.87	677.87	689.22	677.87	3.00	2.97	72.77	354.78	1,144.03	1,197.78	1,192.02	5.76	207.966	
700.00	700.00	710.38	699.03	3.06	3.02	72.76	354.93	1,143.99	1,197.78	1,191.92	5.86	204.237	
800.00	800.00	812.24	800.89	3.30	3.32	72.72	355.76	1,143.82	1,197.87	1,191.53	6.34	188.907	
900.00	900.00	915.54	904.18	3.53	3.61	72.68	356.46	1,143.36	1,197.65	1,190.85	6.80	176.147	
1,000.00	1,000.00	1,017.42	1,006.07	3.75	3.89	72.65	357.08	1,142.71	1,197.21	1,189.98	7.23	165.583	
1,100.00	1,100.00	1,121.75	1,110.38	3.96	4.17	72.60	357.86	1,141.71	1,196.52	1,188.88	7.65	156.496	
1,200.00	1,200.00	1,221.80	1,210.43	4.15	4.43	72.55	358.56	1,140.58	1,195.65	1,187.61	8.04	148.681	
1,300.00	1,300.00	1,321.61	1,310.23	4.34	4.68	72.50	359.20	1,139.47	1,194.78	1,186.35	8.43	141.738	
1,400.00	1,400.00	1,420.05	1,408.66	4.53	4.92	72.47	359.57	1,138.53	1,193.99	1,185.19	8.80	135.639	
1,500.00	1,500.00	1,515.85	1,504.46	4.70	5.12	72.45	359.90	1,137.78	1,193.35	1,184.21	9.15	130.492	
1,600.00	1,599.98	1,600.75	1,589.35	5.04	5.35	34.01	360.40	1,137.85	1,192.16	1,182.61	9.55	124.865	
1,700.00	1,699.84	1,690.24	1,678.84	5.69	5.59	34.15	361.15	1,138.99	1,189.28	1,179.09	10.19	116.696	
1,800.00	1,799.45	1,787.95	1,776.53	6.29	5.79	34.42	362.28	1,140.52	1,183.91	1,173.11	10.80	109.652	
1,900.00	1,898.70	1,884.02	1,872.57	6.86	5.94	34.80	363.52	1,142.22	1,175.92	1,164.54	11.38	103.344	
2,000.00	1,997.47	1,981.03	1,969.55	7.41	6.09	35.31	364.99	1,144.17	1,165.41	1,153.46	11.95	97.493	
2,100.00	2,095.66	2,076.94	2,065.43	7.70	6.25	35.89	366.52	1,146.15	1,152.38	1,140.05	12.32	93.529	
2,200.00	2,193.71	2,171.49	2,159.94	7.93	6.42	36.39	368.17	1,148.49	1,139.23	1,126.57	12.66	89.960	
2,300.00	2,291.75	2,268.04	2,256.44	8.20	6.59	36.92	369.89	1,151.05	1,126.35	1,113.31	13.05	86.326	
2,400.00	2,389.80	2,364.86	2,353.20	8.48	6.78	37.46	371.76	1,153.80	1,113.81	1,100.35	13.46	82.755	
2,500.00	2,487.85	2,460.14	2,448.41	8.77	6.98	37.98	373.94	1,156.56	1,101.50	1,087.63	13.87	79.444	
2,600.00	2,585.89	2,562.51	2,550.68	9.09	7.23	38.51	377.26	1,159.56	1,089.54	1,075.20	14.34	75.987	
2,700.00	2,683.94	2,666.45	2,654.58	9.41	7.42	39.20	377.76	1,162.51	1,076.97	1,062.14	14.83	72.611	
2,800.00	2,781.99	2,757.82	2,745.91	9.75	7.53	39.88	377.31	1,165.35	1,064.62	1,049.35	15.27	69.712	
2,900.00	2,880.03	2,850.70	2,838.71	10.09	7.63	40.60	376.61	1,169.04	1,053.21	1,037.50	15.71	67.041	
3,000.00	2,978.08	2,946.71	2,934.63	10.45	7.74	41.36	375.90	1,173.14	1,042.29	1,026.13	16.16	64.480	
3,100.00	3,076.13	3,068.71	3,056.54	10.81	7.87	42.36	374.66	1,177.52	1,030.95	1,014.28	16.66	61.868	
3,200.00	3,174.17	3,179.19	3,167.00	11.19	7.92	43.28	373.34	1,179.12	1,017.62	1,000.52	17.10	59.521	
3,300.00	3,272.22	3,281.21	3,269.01	11.57	7.94	44.15	372.09	1,179.83	1,003.78	986.31	17.47	57.456	
3,400.00	3,370.27	3,382.41	3,370.21	11.95	7.94	45.01	371.26	1,180.08	989.77	971.95	17.82	55.551	
3,500.00	3,468.31	3,481.31	3,469.10	12.34	7.99	45.84	370.98	1,180.08	975.80	957.63	18.17	53.703	
3,600.00	3,566.36	3,580.87	3,568.67	12.74	8.10	46.69	370.95	1,179.93	961.90	943.34	18.56	51.820	
3,700.00	3,664.41	3,680.15	3,667.94	13.14	8.29	47.54	371.14	1,179.60	948.06	929.06	19.00	49.902	
3,800.00	3,762.45	3,779.07	3,766.86	13.55	8.57	48.39	371.68	1,179.14	934.33	914.83	19.49	47.931	
3,900.00	3,860.50	3,878.95	3,866.73	13.96	8.79	49.26	372.60	1,178.54	920.68	900.78	19.91	46.253	
4,000.00	3,958.55	3,978.00	3,965.77	14.37	8.93	50.12	373.81	1,177.72	907.03	886.81	20.23	44.842	
4,100.00	4,056.59	4,074.59	4,062.35	14.79	9.07	50.99	374.85	1,176.96	893.64	873.10	20.54	43.510	
4,200.00	4,154.64	4,173.37	4,161.13	15.21	9.20	51.93	375.61	1,176.34	880.61	859.77	20.84	42.254	
4,300.00	4,252.69	4,271.26	4,259.01	15.64	9.32	52.90	376.30	1,175.57	867.68	846.54	21.14	41.046	
4,400.00	4,350.73	4,367.44	4,355.20	16.06	9.45	53.88	376.91	1,174.98	855.16	833.72	21.44	39.883	
4,500.00	4,448.78	4,465.69	4,453.44	16.49	9.67	54.90	377.64	1,174.51	843.06	821.22	21.83	38.617	
4,600.00	4,546.83	4,564.86	4,552.60	16.92	9.94	55.95	378.52	1,173.95	831.12	808.86	22.25	37.347	
4,700.00	4,644.87	4,662.33	4,650.07	17.35	10.12	57.01	379.34	1,173.34	819.41	796.82	22.59	36.266	
4,800.00	4,742.92	4,762.29	4,750.02	17.79	10.26	58.15	379.97	1,172.67	807.99	785.10	22.89	35.301	
4,900.00	4,840.97	4,857.35	4,845.08	18.22	10.41	59.24	380.77	1,172.05	796.87	773.68	23.19	34.362	
5,000.00	4,939.01	4,955.69	4,943.41	18.66	10.57	60.41	381.51	1,171.66	786.34	762.85	23.49	33.482	
5,100.00	5,037.06	5,055.15	5,042.87	19.10	10.73	61.64	382.14	1,171.10	776.00	752.23	23.78	32.634	
5,200.00	5,135.11	5,152.49	5,140.21	19.54	10.96	62.86	382.75	1,170.50	765.98	741.80	24.18	31.678	
5,300.00	5,233.15	5,249.69	5,237.40	19.98	11.20	64.12	383.31	1,170.00	756.44	731.85	24.59	30.768	
5,400.00	5,331.20	5,345.61	5,333.33	20.43	11.46	65.40	383.83	1,169.70	747.49	722.49	24.99	29.908	
5,500.00	5,429.25	5,441.72	5,429.43	20.87	11.70	66.70	384.31	1,169.68	739.22	713.84	25.38	29.122	

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 801H
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 801H	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		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	5,527.29	5,538.71	5,526.42	21.32	11.86	68.04	384.76	1,169.84	731.57	705.90	25.67	28.504			
5,700.00	5,625.34	5,634.80	5,622.51	21.76	11.98	69.40	385.04	1,170.16	724.54	698.61	25.92	27.949			
5,800.00	5,723.39	5,731.48	5,719.18	22.21	12.04	70.81	385.01	1,170.78	718.35	692.15	26.19	27.424			
5,900.00	5,821.43	5,833.71	5,821.38	22.66	12.03	72.54	382.60	1,170.05	712.19	685.58	26.61	26.765			
6,000.00	5,919.48	5,928.31	5,915.92	23.11	11.99	74.26	379.28	1,168.98	706.71	679.69	27.02	26.159			
6,100.00	6,017.75	6,022.63	6,010.10	23.55	11.91	75.96	374.45	1,167.73	702.70	675.50	27.20	25.835			
6,200.00	6,116.60	6,118.64	6,105.91	24.06	11.83	77.56	368.37	1,166.24	700.50	673.12	27.38	25.585			
6,300.00	6,215.91	6,217.31	6,204.36	24.57	11.73	78.98	361.95	1,164.90	699.85	672.31	27.54	25.415			
6,385.48	6,301.08	6,305.80	6,292.67	24.97	11.66	80.03	356.54	1,163.39	699.71	672.06	27.65	25.304			
6,400.00	6,315.57	6,320.43	6,307.27	25.04	11.65	80.18	355.62	1,163.09	699.71	672.04	27.67	25.285			
6,500.00	6,415.45	6,419.89	6,406.47	25.46	11.59	81.14	348.93	1,160.70	700.13	672.34	27.79	25.193			
6,600.00	6,515.44	6,511.31	6,497.63	25.65	11.56	120.27	342.38	1,158.66	701.62	673.74	27.88	25.169			
6,700.00	6,615.44	6,599.25	6,585.14	25.69	11.55	120.93	333.85	1,157.26	705.18	677.23	27.96	25.226			
6,800.00	6,715.44	6,697.53	6,682.82	25.73	11.54	121.73	323.08	1,156.03	709.83	681.81	28.03	25.327			
6,900.00	6,815.44	6,797.46	6,782.16	25.77	11.51	122.53	312.33	1,154.44	714.23	686.14	28.09	25.426			
7,000.00	6,915.44	6,895.26	6,879.32	25.82	11.51	123.34	301.21	1,153.06	719.24	691.08	28.16	25.540			
7,100.00	7,015.44	6,993.71	6,977.19	25.86	11.52	124.08	290.67	1,151.93	724.25	696.01	28.24	25.645			
7,200.00	7,115.44	7,091.72	7,074.61	25.90	11.56	124.82	279.90	1,151.09	729.79	701.46	28.33	25.762			
7,300.00	7,215.44	7,180.83	7,163.18	25.95	11.61	125.47	270.07	1,150.70	735.84	707.42	28.42	25.888			
7,400.00	7,315.44	7,268.32	7,250.02	25.99	11.68	126.08	259.49	1,151.86	744.00	715.47	28.53	26.082			
7,500.00	7,415.44	7,367.34	7,348.27	26.03	11.76	126.74	247.37	1,154.00	753.04	724.40	28.64	26.292			
7,600.00	7,515.44	7,464.99	7,445.23	26.08	11.83	127.31	236.13	1,156.31	761.89	733.13	28.75	26.496			
7,700.00	7,615.44	7,561.49	7,541.08	26.12	11.91	127.79	225.45	1,159.74	771.47	742.59	28.88	26.715			
7,800.00	7,715.44	7,664.50	7,643.46	26.17	12.00	128.23	214.77	1,163.77	780.95	751.93	29.02	26.909			
7,900.00	7,815.44	7,768.47	7,746.86	26.21	12.09	128.64	204.58	1,167.53	789.89	760.71	29.18	27.070			
8,000.00	7,915.44	7,871.66	7,849.54	26.26	12.19	129.03	194.98	1,170.99	798.35	769.00	29.35	27.204			
8,100.00	8,015.44	7,980.09	7,957.51	26.30	12.30	129.42	185.40	1,174.03	806.12	776.59	29.53	27.295			
8,200.00	8,115.44	8,089.74	8,066.78	26.35	12.41	129.81	176.53	1,176.12	812.76	783.03	29.73	27.339			
8,300.00	8,215.44	8,197.13	8,173.92	26.39	12.52	130.14	169.45	1,177.35	817.84	787.90	29.94	27.319			
8,400.00	8,315.44	8,281.64	8,258.23	26.44	12.63	130.33	163.98	1,179.48	823.94	793.82	30.11	27.362			
8,500.00	8,415.44	8,377.59	8,353.88	26.48	12.75	130.52	157.37	1,183.07	831.25	800.94	30.31	27.424			
8,600.00	8,515.44	8,489.72	8,465.74	26.53	12.89	130.70	150.55	1,187.01	837.87	807.33	30.54	27.433			
8,700.00	8,615.44	8,598.87	8,574.71	26.57	13.02	130.83	145.31	1,190.22	843.24	812.47	30.77	27.404			
8,800.00	8,715.44	8,707.48	8,683.21	26.62	13.16	130.91	141.40	1,193.04	847.56	816.56	31.00	27.344			
8,900.00	8,815.44	8,816.77	8,792.44	26.67	13.29	130.96	138.50	1,195.13	850.73	819.52	31.21	27.260			
9,000.00	8,915.44	8,922.53	8,898.17	26.71	13.42	131.01	136.26	1,196.58	853.16	821.75	31.41	27.162			
9,100.00	9,015.44	9,231.00	9,198.79	26.76	14.29	127.95	192.56	1,198.37	838.84	806.56	32.28	25.988			
9,200.00	9,115.44	9,367.48	9,324.61	26.81	14.22	124.89	245.17	1,199.38	815.41	783.07	32.33	25.218			
9,300.00	9,215.44	9,597.66	9,502.40	26.85	14.33	115.01	387.59	1,213.99	783.88	751.01	32.87	23.848			
9,400.00	9,315.44	9,762.52	9,583.57	26.90	14.92	103.85	529.59	1,227.67	744.89	710.66	34.24	21.757			
9,500.00	9,415.44	9,823.65	9,602.61	26.95	15.29	99.07	587.41	1,232.86	713.54	678.27	35.27	20.231			
9,600.00	9,515.44	9,869.19	9,613.06	27.00	15.63	95.38	631.60	1,236.20	693.22	656.86	36.36	19.065			
9,700.00	9,615.44	9,902.43	9,619.14	27.04	15.91	92.65	664.23	1,238.00	685.82	648.41	37.42	18.329			
9,703.88	9,619.32	9,903.47	9,619.31	27.04	15.91	92.57	665.26	1,238.04	685.81	648.36	37.46	18.310 CC, ES			
9,800.00	9,715.44	9,919.45	9,621.76	27.09	16.06	91.25	681.03	1,238.70	692.31	654.09	38.23	18.111 SF			
9,900.00	9,815.44	9,929.60	9,623.10	27.14	16.15	90.41	691.09	1,239.12	712.67	673.77	38.89	18.324			
10,000.00	9,915.44	9,937.56	9,624.03	27.19	16.22	89.75	698.98	1,239.46	745.83	706.37	39.46	18.899			
10,100.00	10,015.44	9,943.96	9,624.70	27.24	16.28	89.22	705.34	1,239.73	790.24	750.29	39.95	19.783			
10,200.00	10,115.44	9,949.22	9,625.20	27.28	16.33	88.78	710.57	1,239.96	844.14	803.79	40.35	20.921			
10,300.00	10,215.44	9,953.62	9,625.58	27.33	16.37	88.42	714.95	1,240.15	905.86	865.16	40.70	22.259			
10,400.00	10,315.44	9,957.35	9,625.88	27.38	16.41	88.11	718.66	1,240.31	973.92	932.91	41.01	23.751			
10,500.00	10,415.44	9,975.00	9,626.97	27.43	16.57	86.65	736.26	1,241.10	1,047.34	1,005.83	41.50	25.235			

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 801H
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 801H	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	
10,600.00	10,515.44	9,975.00	9,626.97	27.48	16.57	86.65	736.26	1,241.10	1,124.55	1,082.82	41.73	26.949	
10,700.00	10,615.44	9,975.00	9,626.97	27.53	16.57	86.65	736.26	1,241.10	1,205.11	1,163.15	41.96	28.720	
10,800.00	10,715.44	9,975.00	9,626.97	27.58	16.57	86.65	736.26	1,241.10	1,288.41	1,246.21	42.20	30.531	
10,900.00	10,815.44	9,975.00	9,626.97	27.63	16.57	86.65	736.26	1,241.10	1,373.93	1,331.48	42.45	32.367	
11,000.00	10,915.44	9,975.00	9,626.97	27.68	16.57	86.65	736.26	1,241.10	1,461.30	1,418.59	42.71	34.216	
11,100.00	11,015.44	9,975.00	9,626.97	27.73	16.57	86.65	736.26	1,241.10	1,550.19	1,507.21	42.98	36.070	
11,200.00	11,115.44	9,975.00	9,626.97	27.78	16.57	86.65	736.26	1,241.10	1,640.36	1,597.10	43.25	37.923	
11,300.00	11,215.44	9,975.00	9,626.97	27.83	16.57	86.65	736.26	1,241.10	1,731.61	1,688.07	43.54	39.769	
11,400.00	11,315.44	9,975.00	9,626.97	27.88	16.57	86.65	736.26	1,241.10	1,823.78	1,779.94	43.84	41.604	
11,500.00	11,415.41	9,975.00	9,626.97	27.87	16.57	-88.83	736.26	1,241.10	1,916.78	1,872.64	44.14	43.425	
11,600.00	11,514.10	9,975.00	9,626.97	27.76	16.57	-63.92	736.26	1,241.10	2,010.04	1,965.56	44.48	45.189	

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 801H
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 801H	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
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	7.68	-0.05	0.50	0.50	72.09	350.41	1,084.34	1,139.55				
100.00	100.00	107.01	99.28	0.66	0.74	72.10	350.34	1,084.40	1,139.59	1,138.19	1.40	816.174	
200.00	200.00	207.88	200.15	1.35	1.24	72.11	350.09	1,084.54	1,139.64	1,137.06	2.58	441.854	
273.45	273.45	281.18	273.45	1.69	1.66	72.13	349.70	1,084.63	1,139.61	1,136.29	3.32	343.083	
300.00	300.00	307.22	299.49	1.82	1.80	72.14	349.55	1,084.69	1,139.62	1,136.04	3.58	318.040	
400.00	400.00	407.14	399.40	2.19	2.35	72.17	349.01	1,084.96	1,139.71	1,135.23	4.48	254.436	
500.00	500.00	509.22	501.49	2.51	2.91	72.19	348.54	1,085.07	1,139.67	1,134.34	5.33	213.849	
600.00	600.00	612.82	605.08	2.80	3.20	72.21	348.12	1,084.92	1,139.42	1,133.54	5.87	194.013	
700.00	700.00	712.42	704.68	3.06	3.39	72.23	347.58	1,084.44	1,138.79	1,132.48	6.31	180.507	
800.00	800.00	818.27	810.53	3.30	3.66	72.23	347.42	1,084.06	1,138.42	1,131.59	6.83	166.800	
900.00	900.00	933.85	926.10	3.53	3.96	72.23	346.89	1,082.20	1,136.74	1,129.36	7.37	154.145	
1,000.00	1,000.00	1,037.45	1,029.66	3.75	4.20	72.23	346.09	1,079.64	1,134.14	1,126.30	7.84	144.725	
1,100.00	1,100.00	1,142.62	1,134.79	3.96	4.46	72.24	345.02	1,076.95	1,131.40	1,123.10	8.30	136.348	
1,200.00	1,200.00	1,251.85	1,243.94	4.15	4.74	72.28	343.09	1,073.57	1,127.92	1,119.15	8.77	128.597	
1,300.00	1,300.00	1,356.03	1,348.03	4.34	5.03	72.35	340.51	1,069.90	1,123.81	1,114.58	9.23	121.696	
1,400.00	1,400.00	1,446.64	1,438.57	4.53	5.28	72.40	338.41	1,066.89	1,119.94	1,110.28	9.66	115.916	
1,500.00	1,500.00	1,565.86	1,557.66	4.70	5.66	72.47	335.62	1,062.28	1,115.53	1,105.32	10.21	109.302	
1,600.00	1,599.98	1,659.00	1,650.67	5.04	6.01	34.16	333.35	1,057.89	1,108.88	1,098.06	10.82	102.498	
1,700.00	1,699.84	1,754.00	1,745.57	5.69	6.29	34.46	331.01	1,054.13	1,100.06	1,088.47	11.59	94.937	
1,800.00	1,799.45	1,851.36	1,842.84	6.29	6.58	34.91	328.77	1,050.89	1,089.04	1,076.72	12.32	88.387	
1,900.00	1,898.70	1,946.24	1,937.65	6.86	6.85	35.46	327.08	1,047.64	1,075.27	1,062.24	13.03	82.531	
2,000.00	1,997.47	2,042.83	2,034.19	7.41	7.12	36.16	325.71	1,044.47	1,059.01	1,045.29	13.72	77.188	
2,100.00	2,095.66	2,136.00	2,127.30	7.70	7.39	36.92	324.36	1,041.58	1,040.39	1,026.20	14.19	73.318	
2,200.00	2,193.71	2,230.25	2,221.50	7.93	7.66	37.59	323.02	1,039.01	1,021.64	1,007.02	14.62	69.864	
2,300.00	2,291.75	2,328.85	2,320.07	8.20	7.93	38.31	321.82	1,036.49	1,003.26	988.17	15.09	66.470	
2,400.00	2,389.80	2,424.94	2,416.12	8.48	8.20	39.03	320.81	1,034.01	985.06	969.49	15.57	63.272	
2,500.00	2,487.85	2,519.55	2,510.70	8.77	8.46	39.75	319.99	1,031.74	967.22	951.17	16.05	60.277	
2,600.00	2,585.89	2,610.00	2,601.12	9.09	8.70	40.52	318.44	1,030.32	950.16	933.66	16.50	57.582	
2,700.00	2,683.94	2,706.00	2,697.10	9.41	8.92	41.34	317.23	1,029.01	933.60	916.65	16.95	55.082	
2,800.00	2,781.99	2,801.00	2,792.09	9.75	9.13	42.13	316.74	1,027.97	917.63	900.25	17.38	52.809	
2,900.00	2,880.03	2,894.37	2,885.46	10.09	9.28	42.92	316.66	1,027.44	902.41	884.65	17.76	50.806	
3,000.00	2,978.08	2,979.38	2,970.47	10.45	9.30	43.62	317.37	1,027.42	888.07	869.99	18.08	49.123	
3,100.00	3,076.13	3,077.01	3,068.08	10.81	9.23	44.43	318.49	1,028.25	874.79	856.48	18.30	47.791	
3,200.00	3,174.17	3,179.92	3,170.97	11.19	9.17	45.26	320.46	1,028.69	861.37	842.81	18.56	46.407	
3,300.00	3,272.22	3,271.14	3,262.18	11.57	9.11	46.01	322.23	1,029.18	848.23	829.41	18.82	45.071	
3,400.00	3,370.27	3,365.96	3,356.97	11.95	9.03	46.82	324.04	1,030.34	835.94	816.90	19.04	43.893	
3,500.00	3,468.31	3,466.29	3,457.27	12.34	8.96	47.68	326.35	1,031.66	823.94	804.67	19.27	42.752	
3,600.00	3,566.36	3,569.45	3,560.39	12.74	8.91	48.56	329.11	1,032.55	811.71	792.18	19.53	41.557	
3,700.00	3,664.41	3,671.31	3,662.19	13.14	8.90	49.42	332.25	1,032.84	799.12	779.29	19.83	40.298	
3,800.00	3,762.45	3,766.64	3,757.46	13.55	8.90	50.20	335.92	1,033.15	786.76	766.61	20.14	39.062	
3,900.00	3,860.50	3,864.05	3,854.77	13.96	8.90	50.98	340.20	1,033.72	774.81	754.37	20.45	37.895	
4,000.00	3,958.55	3,961.84	3,952.46	14.37	8.91	51.77	344.68	1,034.43	763.17	742.43	20.75	36.783	
4,100.00	4,056.59	4,059.81	4,050.31	14.79	8.92	52.58	349.38	1,035.19	751.73	730.69	21.04	35.728	
4,200.00	4,154.64	4,155.05	4,145.47	15.21	8.94	53.44	353.14	1,036.23	740.77	719.45	21.33	34.733	
4,300.00	4,252.69	4,251.36	4,241.70	15.64	8.96	54.35	356.82	1,037.75	730.49	708.89	21.60	33.825	
4,400.00	4,350.73	4,350.93	4,341.19	16.06	8.98	55.34	360.33	1,039.34	720.44	698.59	21.86	32.961	
4,500.00	4,448.78	4,450.88	4,441.07	16.49	9.01	56.38	363.70	1,040.78	710.48	688.36	22.12	32.119	
4,600.00	4,546.83	4,553.28	4,543.41	16.92	9.07	57.48	366.97	1,041.96	700.47	678.08	22.39	31.286	
4,700.00	4,644.87	4,654.43	4,644.52	17.35	9.16	58.63	370.07	1,042.45	690.08	667.40	22.67	30.434	
4,800.00	4,742.92	4,753.00	4,743.05	17.79	9.26	59.78	373.01	1,042.84	679.88	656.91	22.97	29.602	
4,900.00	4,840.97	4,849.52	4,839.52	18.22	9.36	60.95	375.82	1,043.29	670.05	646.80	23.25	28.816	
5,000.00	4,939.01	4,948.75	4,938.71	18.66	9.46	62.19	378.54	1,043.99	660.78	637.26	23.53	28.086	

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 801H
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 801H	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		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	5,037.06	5,047.98	5,037.90	19.10	9.57	63.46	381.41	1,044.44	651.56	627.76	23.80	27.372	
5,200.00	5,135.11	5,146.27	5,136.15	19.54	9.69	64.79	383.88	1,044.83	642.70	618.62	24.08	26.689	
5,300.00	5,233.15	5,243.69	5,233.56	19.98	9.81	66.18	385.86	1,045.17	634.27	609.92	24.35	26.049	
5,400.00	5,331.20	5,332.78	5,322.63	20.43	9.86	67.55	386.89	1,045.91	626.94	602.37	24.57	25.520	
5,500.00	5,429.25	5,419.03	5,408.85	20.87	9.85	69.05	385.69	1,047.62	621.88	597.13	24.75	25.129	
5,600.00	5,527.29	5,505.40	5,495.13	21.32	9.86	70.67	383.05	1,050.61	619.31	594.39	24.92	24.851	
5,656.62	5,582.81	5,554.75	5,544.40	21.57	9.86	71.61	381.20	1,052.95	618.94	593.92	25.02	24.741	
5,700.00	5,625.34	5,594.07	5,583.62	21.76	9.85	72.36	379.61	1,055.06	619.11	594.04	25.07	24.697	
5,800.00	5,723.39	5,686.96	5,676.26	22.21	9.80	74.13	375.52	1,060.69	620.74	595.56	25.18	24.654	
5,900.00	5,821.43	5,779.95	5,768.94	22.66	9.75	75.90	371.15	1,066.76	623.60	598.31	25.29	24.662	
6,000.00	5,919.48	5,877.66	5,866.26	23.11	9.71	77.73	366.19	1,073.96	628.03	602.62	25.41	24.715	
6,100.00	6,017.75	5,987.00	5,975.28	23.55	9.68	79.75	360.98	1,080.54	632.04	606.50	25.54	24.748	
6,200.00	6,116.60	6,088.71	6,076.78	24.06	9.68	81.30	356.89	1,085.59	635.89	610.20	25.70	24.747	
6,300.00	6,215.91	6,189.28	6,177.15	24.57	9.69	82.51	352.96	1,090.52	640.50	614.65	25.85	24.776	
6,400.00	6,315.57	6,293.06	6,280.76	25.04	9.71	83.42	349.20	1,095.22	645.27	619.27	26.00	24.816	
6,500.00	6,415.45	6,404.91	6,392.49	25.46	9.77	83.99	346.27	1,099.40	649.33	623.16	26.17	24.815	
6,600.00	6,515.44	6,502.84	6,490.35	25.65	9.84	122.59	344.56	1,102.57	652.87	626.57	26.30	24.821	
6,700.00	6,615.44	6,604.39	6,591.83	25.69	9.90	122.58	342.65	1,105.82	656.58	630.16	26.42	24.850	
6,800.00	6,715.44	6,704.64	6,692.01	25.73	9.96	122.55	340.99	1,109.05	660.19	633.63	26.56	24.860	
6,900.00	6,815.44	6,807.64	6,794.96	25.77	10.04	122.52	339.50	1,112.10	663.46	636.76	26.70	24.846	
7,000.00	6,915.44	6,907.30	6,894.57	25.82	10.13	122.51	337.93	1,114.75	666.55	639.69	26.86	24.820	
7,100.00	7,015.44	7,006.07	6,993.29	25.86	10.22	122.50	336.25	1,117.47	669.79	642.77	27.02	24.792	
7,200.00	7,115.44	7,106.98	7,094.14	25.90	10.33	122.48	334.71	1,120.43	673.08	645.89	27.19	24.757	
7,300.00	7,215.44	7,209.23	7,196.34	25.95	10.44	122.45	333.35	1,123.14	676.03	648.66	27.37	24.703	
7,400.00	7,315.44	7,310.50	7,297.58	25.99	10.56	122.44	331.96	1,125.56	678.78	651.23	27.55	24.638	
7,500.00	7,415.44	7,411.85	7,398.89	26.03	10.69	122.41	330.93	1,127.91	681.29	653.55	27.74	24.559	
7,600.00	7,515.44	7,511.63	7,498.64	26.08	10.82	122.39	329.79	1,130.05	683.70	655.77	27.94	24.474	
7,700.00	7,615.44	7,613.23	7,600.22	26.12	10.96	122.39	328.55	1,132.15	686.11	657.98	28.14	24.385	
7,800.00	7,715.44	7,713.39	7,700.36	26.17	11.10	122.42	327.12	1,133.78	688.25	659.91	28.34	24.286	
7,900.00	7,815.44	7,813.64	7,800.58	26.21	11.24	122.43	325.80	1,135.56	690.45	661.90	28.55	24.186	
8,000.00	7,915.44	7,917.54	7,904.45	26.26	11.40	122.43	324.77	1,137.26	692.37	663.60	28.77	24.065	
8,100.00	8,015.44	8,020.83	8,007.74	26.30	11.59	122.43	324.02	1,138.41	693.69	664.67	29.02	23.904	
8,200.00	8,115.44	8,125.26	8,112.17	26.35	11.75	122.42	323.58	1,139.19	694.56	665.32	29.24	23.752	
8,300.00	8,215.44	8,230.16	8,217.07	26.39	11.81	122.38	323.98	1,139.46	694.56	665.20	29.36	23.653	
8,400.00	8,315.44	8,328.88	8,315.78	26.44	11.85	122.36	324.34	1,139.41	694.33	664.86	29.46	23.565	
8,408.99	8,324.43	8,337.53	8,324.43	26.44	11.85	122.36	324.34	1,139.41	694.33	664.85	29.48	23.556	
8,500.00	8,415.44	8,421.84	8,408.75	26.48	11.93	122.36	324.13	1,139.66	694.68	665.06	29.62	23.453	
8,600.00	8,515.44	8,512.97	8,499.86	26.53	12.06	122.37	323.23	1,140.86	696.32	666.49	29.83	23.346	
8,700.00	8,615.44	8,615.16	8,602.01	26.57	12.22	122.41	321.55	1,142.76	698.78	668.73	30.05	23.255	
8,800.00	8,715.44	8,727.66	8,714.51	26.62	12.36	122.34	321.69	1,144.18	699.77	669.53	30.24	23.141	
8,900.00	8,815.44	8,834.38	8,821.21	26.67	12.44	122.18	323.53	1,144.81	699.35	668.98	30.37	23.031	
9,000.00	8,915.44	8,947.43	8,934.19	26.71	12.53	121.93	327.15	1,144.81	697.66	667.15	30.50	22.871	
9,100.00	9,015.44	9,057.08	9,043.71	26.76	12.62	121.62	332.45	1,143.45	694.03	663.40	30.64	22.654	
9,200.00	9,115.44	9,149.77	9,136.29	26.81	12.63	121.36	336.89	1,142.19	690.38	659.67	30.71	22.483	
9,300.00	9,215.44	9,236.06	9,222.51	26.85	12.66	121.15	339.95	1,142.06	688.39	657.60	30.80	22.353	
9,380.45	9,295.89	9,309.46	9,295.89	26.89	12.71	121.01	341.52	1,142.56	687.98	657.09	30.89	22.269	
9,400.00	9,315.44	9,327.64	9,314.08	26.90	12.73	120.99	341.76	1,142.73	688.00	657.08	30.92	22.250	
9,500.00	9,415.44	9,423.37	9,409.80	26.95	12.84	120.86	342.83	1,143.99	688.56	657.48	31.08	22.156	
9,600.00	9,515.44	9,526.57	9,512.98	27.00	12.97	120.77	343.41	1,145.11	689.21	657.96	31.25	22.055	
9,700.00	9,615.44	9,633.12	9,619.52	27.04	13.04	120.84	342.73	1,144.46	689.00	657.59	31.41	21.933	
9,800.00	9,715.44	9,738.10	9,724.49	27.09	13.04	120.98	341.78	1,142.86	688.16	656.63	31.53	21.822	
9,900.00	9,815.44	9,846.36	9,832.73	27.14	13.00	121.00	342.65	1,140.92	686.22	654.64	31.57	21.736	

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 801H
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 801H	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		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	9,915.44	9,940.76	9,927.10	27.19	12.99	120.94	344.44	1,139.26	683.74	652.11	31.63	21.618	
10,100.00	10,015.44	10,031.77	10,018.10	27.24	13.01	120.89	345.44	1,138.92	682.85	651.13	31.72	21.529	
10,200.00	10,115.44	10,132.53	10,118.86	27.28	13.06	120.86	345.90	1,138.90	682.60	650.79	31.81	21.457	
10,300.00	10,215.44	10,237.63	10,223.94	27.33	13.10	120.74	347.54	1,138.79	681.71	649.80	31.91	21.361	
10,400.00	10,315.44	10,341.23	10,327.53	27.38	13.12	120.67	349.13	1,137.89	680.18	648.20	31.98	21.271	
10,500.00	10,415.44	10,441.41	10,427.69	27.43	13.11	120.65	350.23	1,136.41	678.35	646.31	32.04	21.173	
10,600.00	10,515.44	10,551.50	10,537.75	27.48	13.09	120.67	351.44	1,133.98	675.89	643.79	32.10	21.055	
10,700.00	10,615.44	10,643.00	10,629.22	27.53	13.08	120.69	352.41	1,131.83	673.33	641.16	32.17	20.933	
10,800.00	10,715.44	10,748.27	10,734.45	27.58	13.08	120.72	353.53	1,129.29	670.69	638.44	32.25	20.795	
10,900.00	10,815.44	10,832.00	10,818.16	27.63	13.15	120.63	354.92	1,128.87	669.36	636.95	32.41	20.654	
10,902.72	10,818.16	10,832.00	10,818.16	27.63	13.15	120.63	354.92	1,128.87	669.36	636.95	32.41	20.652	
11,000.00	10,915.44	10,919.53	10,905.68	27.68	13.24	120.53	355.57	1,130.14	670.19	637.57	32.63	20.541	
11,100.00	11,015.44	11,043.16	11,029.29	27.73	14.11	120.52	355.66	1,130.21	670.28	636.85	33.42	20.054	
11,200.00	11,115.44	11,187.08	11,172.49	27.78	19.09	119.58	368.97	1,129.03	664.90	627.36	37.54	17.713	
11,300.00	11,215.44	11,437.86	11,407.94	27.83	20.08	113.65	450.27	1,114.08	642.13	602.31	39.82	16.127	
11,400.00	11,315.44	11,540.39	11,496.28	27.88	20.23	109.47	501.25	1,103.71	611.55	571.14	40.42	15.131	
11,500.00	11,415.41	11,632.36	11,573.79	27.87	20.42	-81.52	549.87	1,094.46	582.63	541.60	41.03	14.201	
11,600.00	11,514.10	11,728.49	11,649.14	27.76	20.73	-91.35	608.64	1,085.19	555.18	513.01	42.17	13.166	
11,700.00	11,608.62	11,753.27	11,666.64	27.61	20.87	-95.36	626.10	1,083.47	538.70	495.87	42.83	12.578	
11,740.62	11,645.16	11,765.00	11,674.56	27.54	20.94	-96.72	634.74	1,083.07	537.24	493.94	43.31	12.405 CC, ES	
11,800.00	11,696.11	11,765.00	11,674.56	27.44	20.94	-96.35	634.74	1,083.07	540.87	496.95	43.92	12.314 SF	
11,900.00	11,773.90	11,765.00	11,674.56	27.26	20.94	-94.12	634.74	1,083.07	562.71	517.39	45.31	12.418	
12,000.00	11,839.63	11,765.00	11,674.56	27.11	20.94	-89.87	634.74	1,083.07	601.68	554.89	46.79	12.860	
12,100.00	11,891.31	11,765.00	11,674.56	26.99	20.94	-83.78	634.74	1,083.07	653.69	605.66	48.03	13.609	
12,200.00	11,927.36	11,739.39	11,656.96	26.93	20.79	-74.10	616.18	1,084.29	713.07	664.19	48.88	14.588	
12,300.00	11,946.69	11,717.00	11,640.70	26.94	20.67	-64.80	600.94	1,086.39	776.80	727.32	49.49	15.698	
12,400.00	11,950.00	11,691.93	11,621.70	27.04	20.58	-59.23	584.81	1,089.06	841.10	791.19	49.91	16.853	
12,500.00	11,950.00	11,670.00	11,604.48	27.20	20.51	-58.97	571.38	1,091.05	906.85	856.63	50.22	18.057	
12,600.00	11,950.00	11,625.00	11,567.63	27.41	20.40	-57.55	545.90	1,095.19	974.76	924.10	50.66	19.241	
12,700.00	11,950.00	11,604.63	11,550.52	27.64	20.36	-56.95	535.04	1,097.25	1,044.63	993.74	50.88	20.530	
12,800.00	11,950.00	11,560.33	11,513.20	27.90	20.27	-54.76	511.60	1,101.75	1,117.02	1,065.79	51.24	21.801	
12,900.00	11,950.00	11,522.21	11,480.76	28.21	20.20	-52.97	491.93	1,105.46	1,191.64	1,140.12	51.52	23.128	
13,000.00	11,950.00	11,482.00	11,446.31	28.56	20.14	-51.18	471.61	1,109.57	1,268.28	1,216.48	51.80	24.483	
13,100.00	11,950.00	11,459.67	11,427.01	28.96	20.11	-50.23	460.62	1,111.90	1,346.78	1,294.86	51.91	25.942	
13,200.00	11,950.00	11,435.00	11,405.42	29.41	20.08	-49.19	448.94	1,114.36	1,427.14	1,375.11	52.03	27.431	
13,300.00	11,950.00	11,435.00	11,405.42	29.92	20.08	-49.19	448.94	1,114.36	1,509.45	1,457.51	51.95	29.058	
13,400.00	11,950.00	11,406.29	11,379.89	30.49	20.05	-48.02	436.14	1,117.25	1,592.97	1,540.90	52.07	30.592	
13,500.00	11,950.00	11,388.00	11,363.37	31.11	20.03	-47.29	428.52	1,119.20	1,678.17	1,626.05	52.11	32.202	
13,600.00	11,950.00	11,388.00	11,363.37	31.80	20.03	-47.29	428.52	1,119.20	1,764.62	1,712.60	52.02	33.919	
13,700.00	11,950.00	11,361.51	11,339.16	32.54	20.00	-46.25	418.11	1,121.89	1,851.98	1,799.85	52.13	35.525	
13,800.00	11,950.00	11,340.00	11,319.29	33.34	19.97	-45.42	410.12	1,123.81	1,940.33	1,888.13	52.20	37.170	
13,900.00	11,950.00	11,340.00	11,319.29	34.19	19.97	-45.42	410.12	1,123.81	2,029.49	1,977.37	52.12	38.940	

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 801H
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 801H	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 - ESERALDA 24 FEDERAL 1 (P&A) - Wellbore #1 - Wellbore #1													Offset Site Error: 0.00 usft
Survey Program: 1000-INC-ONLY													Offset Well Error: 50.00 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)			
19,600.00	11,950.00	11,893.43	11,950.00	108.58	204.87	-90.00	-8,686.07	1,843.15	2,057.95	1,784.46	273.50	7.525	
19,700.00	11,950.00	11,893.43	11,950.00	110.00	204.87	-90.00	-8,686.07	1,843.15	1,982.24	1,705.34	276.89	7.159	
19,800.00	11,950.00	11,893.43	11,950.00	111.42	204.87	-90.00	-8,686.07	1,843.15	1,908.76	1,628.25	280.51	6.805	
19,900.00	11,950.00	11,893.43	11,950.00	112.84	204.87	-90.00	-8,686.07	1,843.15	1,837.78	1,553.44	284.34	6.463	
20,000.00	11,950.00	11,893.43	11,950.00	114.26	204.87	-90.00	-8,686.07	1,843.15	1,769.61	1,481.23	288.38	6.136	
20,100.00	11,950.00	11,893.43	11,950.00	115.68	204.87	-90.00	-8,686.07	1,843.15	1,704.59	1,411.96	292.62	5.825	
20,200.00	11,950.00	11,893.43	11,950.00	117.10	204.87	-90.00	-8,686.07	1,843.15	1,643.08	1,346.04	297.04	5.531	
20,300.00	11,950.00	11,893.43	11,950.00	118.52	204.87	-90.00	-8,686.07	1,843.15	1,585.50	1,283.90	301.60	5.257	
20,400.00	11,950.00	11,893.43	11,950.00	119.94	204.87	-90.00	-8,686.07	1,843.15	1,532.28	1,226.03	306.25	5.003	
20,500.00	11,950.00	11,893.43	11,950.00	121.37	204.87	-90.00	-8,686.07	1,843.15	1,483.91	1,172.98	310.93	4.772	
20,600.00	11,950.00	11,893.43	11,950.00	122.79	204.87	-90.00	-8,686.07	1,843.15	1,440.86	1,125.30	315.56	4.566	
20,700.00	11,950.00	11,893.43	11,950.00	124.22	204.87	-90.00	-8,686.07	1,843.15	1,403.63	1,083.60	320.03	4.386	
20,800.00	11,950.00	11,893.43	11,950.00	125.64	204.87	-90.00	-8,686.07	1,843.15	1,372.68	1,048.45	324.23	4.234	
20,900.00	11,950.00	11,893.43	11,950.00	127.07	204.87	-90.00	-8,686.07	1,843.15	1,348.46	1,020.40	328.06	4.110	
21,000.00	11,950.00	11,893.43	11,950.00	128.50	204.87	-90.00	-8,686.07	1,843.15	1,331.33	999.94	331.38	4.017	
21,100.00	11,950.00	11,893.43	11,950.00	129.92	204.87	-90.00	-8,686.07	1,843.15	1,321.56	987.45	334.12	3.955	
21,179.55	11,950.00	11,893.43	11,950.00	131.06	204.87	-90.00	-8,686.07	1,843.15	1,319.17	983.36	335.81	3.928 CC	
21,200.00	11,950.00	11,893.43	11,950.00	131.35	204.87	-90.00	-8,686.07	1,843.15	1,319.33	983.15	336.17	3.925 ES, SF	
21,300.00	11,950.00	11,893.43	11,950.00	132.78	204.87	-90.00	-8,686.07	1,843.15	1,324.66	987.14	337.52	3.925	
21,400.00	11,950.00	11,893.43	11,950.00	134.21	204.87	-90.00	-8,686.07	1,843.15	1,337.46	999.33	338.14	3.955	
21,500.00	11,950.00	11,893.43	11,950.00	135.64	204.87	-90.00	-8,686.07	1,843.15	1,357.53	1,019.47	338.07	4.016	
21,600.00	11,950.00	11,893.43	11,950.00	137.07	204.87	-90.00	-8,686.07	1,843.15	1,384.55	1,047.19	337.37	4.104	
21,700.00	11,950.00	11,893.43	11,950.00	138.50	204.87	-90.00	-8,686.07	1,843.15	1,418.12	1,082.01	336.12	4.219	
21,800.00	11,950.00	11,893.43	11,950.00	139.93	204.87	-90.00	-8,686.07	1,843.15	1,457.80	1,123.38	334.42	4.359	
21,900.00	11,950.00	11,893.43	11,950.00	141.36	204.87	-90.00	-8,686.07	1,843.15	1,503.08	1,170.72	332.36	4.522	
22,000.00	11,950.00	11,893.43	11,950.00	142.79	204.87	-90.00	-8,686.07	1,843.15	1,553.50	1,223.46	330.04	4.707	
22,100.00	11,950.00	11,893.43	11,950.00	144.23	204.87	-90.00	-8,686.07	1,843.15	1,608.55	1,281.02	327.54	4.911	
22,200.00	11,950.00	11,893.43	11,950.00	145.66	204.87	-90.00	-8,686.07	1,843.15	1,667.79	1,342.87	324.93	5.133	
22,300.00	11,950.00	11,893.43	11,950.00	147.09	204.87	-90.00	-8,686.07	1,843.15	1,730.79	1,408.52	322.27	5.371	
22,400.00	11,950.00	11,893.43	11,950.00	148.52	204.87	-90.00	-8,686.07	1,843.15	1,797.14	1,477.54	319.60	5.623	
22,500.00	11,950.00	11,893.43	11,950.00	149.96	204.87	-90.00	-8,686.07	1,843.15	1,866.49	1,549.52	316.97	5.888	
22,600.00	11,950.00	11,893.43	11,950.00	151.39	204.87	-90.00	-8,686.07	1,843.15	1,938.53	1,624.12	314.40	6.166	
22,700.00	11,950.00	11,893.43	11,950.00	152.83	204.87	-90.00	-8,686.07	1,843.15	2,012.95	1,701.04	311.91	6.454	
22,800.00	11,950.00	11,893.43	11,950.00	154.26	204.87	-90.00	-8,686.07	1,843.15	2,089.52	1,780.00	309.51	6.751	

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 801H
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 801H	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				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				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		
13,500.00	11,950.00	11,925.43	11,950.00	31.11	205.45	90.00	-3,086.09	474.95	2,073.71	1,843.65	230.06	9.014			
13,600.00	11,950.00	11,925.43	11,950.00	31.80	205.45	90.00	-3,086.09	474.95	1,973.72	1,743.63	230.09	8.578			
13,700.00	11,950.00	11,925.43	11,950.00	32.54	205.45	90.00	-3,086.09	474.95	1,873.73	1,643.59	230.13	8.142			
13,800.00	11,950.00	11,925.43	11,950.00	33.34	205.45	90.00	-3,086.09	474.95	1,773.74	1,543.56	230.17	7.706			
13,900.00	11,950.00	11,925.43	11,950.00	34.19	205.45	90.00	-3,086.09	474.95	1,673.75	1,443.53	230.22	7.270			
14,000.00	11,950.00	11,925.43	11,950.00	35.09	205.45	90.00	-3,086.09	474.95	1,573.76	1,343.49	230.27	6.834			
14,100.00	11,950.00	11,925.43	11,950.00	36.03	205.45	90.00	-3,086.09	474.95	1,473.77	1,243.45	230.32	6.399			
14,200.00	11,950.00	11,925.43	11,950.00	37.02	205.45	90.00	-3,086.09	474.95	1,373.78	1,143.41	230.38	5.963			
14,300.00	11,950.00	11,925.43	11,950.00	38.04	205.45	90.00	-3,086.09	474.95	1,273.80	1,043.36	230.44	5.528			
14,400.00	11,950.00	11,925.43	11,950.00	39.10	205.45	90.00	-3,086.09	474.95	1,173.82	943.32	230.51	5.092			
14,500.00	11,950.00	11,925.43	11,950.00	40.19	205.45	90.00	-3,086.09	474.95	1,073.84	843.26	230.58	4.657			
14,600.00	11,950.00	11,925.43	11,950.00	41.31	205.45	90.00	-3,086.09	474.95	973.87	743.21	230.66	4.222			
14,700.00	11,950.00	11,925.43	11,950.00	42.45	205.45	90.00	-3,086.09	474.95	873.91	643.15	230.76	3.787			
14,800.00	11,950.00	11,925.43	11,950.00	43.61	205.45	90.00	-3,086.09	474.95	773.95	543.09	230.86	3.352			
14,900.00	11,950.00	11,925.43	11,950.00	44.79	205.45	90.00	-3,086.09	474.95	674.01	443.01	230.99	2.918			
15,000.00	11,950.00	11,925.43	11,950.00	46.00	205.45	90.00	-3,086.09	474.95	574.08	342.93	231.15	2.484			
15,100.00	11,950.00	11,925.43	11,950.00	47.22	205.45	90.00	-3,086.09	474.95	474.19	242.83	231.37	2.050			
15,200.00	11,950.00	11,925.43	11,950.00	48.45	205.45	90.00	-3,086.09	474.95	374.36	142.68	231.67	1.616	Collision Risk Procedures Req.		
15,300.00	11,950.00	11,925.43	11,950.00	49.70	205.45	90.00	-3,086.09	474.95	274.65	42.45	232.20	1.183	Collision Avoidance Req.		
15,400.00	11,950.00	11,925.43	11,950.00	50.96	205.45	90.00	-3,086.09	474.95	175.26	-58.09	233.35	0.751	No-Go Zone - Stop Drilling		
15,500.00	11,950.00	11,925.43	11,950.00	52.23	205.45	90.00	-3,086.09	474.95	77.48	-160.63	238.11	0.325	No-Go Zone - Stop Drilling		
15,573.57	11,950.00	11,925.43	11,950.00	53.17	205.45	90.00	-3,086.09	474.95	24.30	-233.69	257.99	0.094	No-Go Zone - Stop Drilling, CC, ES, SF		
15,600.00	11,950.00	11,925.43	11,950.00	53.51	205.45	90.00	-3,086.09	474.95	35.90	-204.88	240.78	0.149	No-Go Zone - Stop Drilling		
15,700.00	11,950.00	11,925.43	11,950.00	54.81	205.45	90.00	-3,086.09	474.95	128.74	-100.92	229.66	0.561	No-Go Zone - Stop Drilling		
15,800.00	11,950.00	11,925.43	11,950.00	56.11	205.45	90.00	-3,086.09	474.95	227.73	-2.14	229.87	0.991	No-Go Zone - Stop Drilling		
15,900.00	11,950.00	11,925.43	11,950.00	57.42	205.45	90.00	-3,086.09	474.95	327.33	97.17	230.16	1.422	Collision Avoidance Req.		
16,000.00	11,950.00	11,925.43	11,950.00	58.73	205.45	90.00	-3,086.09	474.95	427.12	196.73	230.39	1.854	Collision Risk Procedures Req.		
16,100.00	11,950.00	11,925.43	11,950.00	60.06	205.45	90.00	-3,086.09	474.95	526.99	296.42	230.57	2.286			
16,200.00	11,950.00	11,925.43	11,950.00	61.39	205.45	90.00	-3,086.09	474.95	626.90	396.17	230.73	2.717			
16,300.00	11,950.00	11,925.43	11,950.00	62.72	205.45	90.00	-3,086.09	474.95	726.84	495.97	230.86	3.148			
16,400.00	11,950.00	11,925.43	11,950.00	64.07	205.45	90.00	-3,086.09	474.95	826.79	595.80	230.99	3.579			
16,500.00	11,950.00	11,925.43	11,950.00	65.41	205.45	90.00	-3,086.09	474.95	926.75	695.65	231.10	4.010			
16,600.00	11,950.00	11,925.43	11,950.00	66.77	205.45	90.00	-3,086.09	474.95	1,026.72	795.51	231.21	4.441			
16,700.00	11,950.00	11,925.43	11,950.00	68.12	205.45	90.00	-3,086.09	474.95	1,126.69	895.38	231.32	4.871			
16,800.00	11,950.00	11,925.43	11,950.00	69.48	205.45	90.00	-3,086.09	474.95	1,226.67	995.25	231.42	5.301			
16,900.00	11,950.00	11,925.43	11,950.00	70.85	205.45	90.00	-3,086.09	474.95	1,326.65	1,095.13	231.52	5.730			
17,000.00	11,950.00	11,925.43	11,950.00	72.21	205.45	90.00	-3,086.09	474.95	1,426.64	1,195.01	231.62	6.159			
17,100.00	11,950.00	11,925.43	11,950.00	73.59	205.45	90.00	-3,086.09	474.95	1,526.62	1,294.90	231.72	6.588			
17,200.00	11,950.00	11,925.43	11,950.00	74.96	205.45	90.00	-3,086.09	474.95	1,626.61	1,394.79	231.82	7.017			
17,300.00	11,950.00	11,925.43	11,950.00	76.34	205.45	90.00	-3,086.09	474.95	1,726.60	1,494.68	231.92	7.445			
17,400.00	11,950.00	11,925.43	11,950.00	77.72	205.45	90.00	-3,086.09	474.95	1,826.59	1,594.57	232.02	7.872			
17,500.00	11,950.00	11,925.43	11,950.00	79.10	205.45	90.00	-3,086.09	474.95	1,926.58	1,694.46	232.12	8.300			
17,600.00	11,950.00	11,925.43	11,950.00	80.49	205.45	90.00	-3,086.09	474.95	2,026.58	1,794.35	232.22	8.727			

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 801H
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 801H	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		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	84.29	20.00	200.00	201.00				
100.00	100.00	100.00	100.00	0.66	0.66	84.29	20.00	200.00	201.00	199.68	1.32	152.597	
200.00	200.00	200.00	200.00	1.35	1.35	84.29	20.00	200.00	201.00	198.30	2.70	74.520	
300.00	300.00	300.00	300.00	1.82	1.82	84.29	20.00	200.00	201.00	197.36	3.63	55.308	
400.00	400.00	400.00	400.00	2.19	2.19	84.29	20.00	200.00	201.00	196.62	4.38	45.880	
500.00	500.00	500.00	500.00	2.51	2.51	84.29	20.00	200.00	201.00	195.97	5.02	40.015	
600.00	600.00	600.00	600.00	2.80	2.80	84.29	20.00	200.00	201.00	195.40	5.60	35.914	
700.00	700.00	700.00	700.00	3.06	3.06	84.29	20.00	200.00	201.00	194.88	6.12	32.837	
800.00	800.00	800.00	800.00	3.30	3.30	84.29	20.00	200.00	201.00	194.39	6.61	30.417	
900.00	900.00	900.00	900.00	3.53	3.53	84.29	20.00	200.00	201.00	193.93	7.07	28.449	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	84.29	20.00	200.00	201.00	193.50	7.50	26.806	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	84.29	20.00	200.00	201.00	193.09	7.91	25.408	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	84.29	20.00	200.00	201.00	192.69	8.31	24.199	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	84.29	20.00	200.00	201.00	192.31	8.69	23.139	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	84.29	20.00	200.00	201.00	191.94	9.05	22.200	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	84.29	20.00	200.00	201.00	191.59	9.41	21.360	
1,600.00	1,599.98	1,597.56	1,597.54	5.04	5.05	45.74	21.60	200.43	200.39	190.56	9.83	20.388	
1,700.00	1,699.84	1,695.09	1,694.94	5.69	5.67	45.48	26.41	201.73	198.56	188.10	10.46	18.976	
1,800.00	1,799.45	1,792.58	1,792.07	6.29	6.26	45.03	34.41	203.90	195.53	184.44	11.09	17.627	
1,900.00	1,898.70	1,889.98	1,888.78	6.86	6.82	44.38	45.58	206.92	191.32	179.59	11.73	16.312	
2,000.00	1,997.47	1,987.29	1,984.94	7.41	7.34	43.50	59.91	210.80	185.96	173.58	12.38	15.022	
2,100.00	2,095.66	2,086.77	2,082.94	7.70	7.57	42.67	76.44	215.27	179.04	166.24	12.80	13.990	
2,200.00	2,193.71	2,186.47	2,181.14	7.93	7.81	41.86	93.03	219.76	171.59	158.37	13.22	12.976	
2,300.00	2,291.75	2,286.16	2,279.34	8.20	8.07	40.99	109.61	224.25	164.18	150.49	13.70	11.988	
2,400.00	2,389.80	2,385.85	2,377.54	8.48	8.35	40.03	126.20	228.74	156.82	142.62	14.20	11.045	
2,500.00	2,487.85	2,485.54	2,475.74	8.77	8.64	38.98	142.78	233.23	149.50	134.76	14.73	10.148	
2,600.00	2,585.89	2,585.23	2,573.94	9.09	8.94	37.82	159.37	237.71	142.23	126.93	15.30	9.297	
2,700.00	2,683.94	2,684.93	2,672.14	9.41	9.26	36.54	175.95	242.20	135.03	119.13	15.90	8.492	
2,800.00	2,781.99	2,784.62	2,770.34	9.75	9.59	35.11	192.54	246.69	127.90	111.36	16.54	7.732	
2,900.00	2,880.03	2,884.31	2,868.55	10.09	9.92	33.52	209.12	251.18	120.87	103.64	17.23	7.017	
3,000.00	2,978.08	2,984.00	2,966.75	10.45	10.27	31.73	225.71	255.66	113.93	95.97	17.96	6.344	
3,100.00	3,076.13	3,083.70	3,064.95	10.81	10.63	29.72	242.29	260.15	107.12	88.38	18.74	5.715	
3,200.00	3,174.17	3,183.39	3,163.15	11.19	10.99	27.43	258.88	264.64	100.47	80.88	19.59	5.128	
3,300.00	3,272.22	3,283.08	3,261.35	11.57	11.36	24.82	275.46	269.13	93.99	73.49	20.50	4.584	
3,400.00	3,370.27	3,382.77	3,359.55	11.95	11.73	21.84	292.05	273.62	87.74	66.25	21.48	4.084	
3,500.00	3,468.31	3,482.47	3,457.75	12.34	12.11	18.40	308.63	278.10	81.76	59.22	22.54	3.627	
3,600.00	3,566.36	3,582.16	3,555.95	12.74	12.50	14.45	325.22	282.59	76.11	52.45	23.67	3.216	
3,700.00	3,664.41	3,681.85	3,654.15	13.14	12.89	9.89	341.80	287.08	70.89	46.04	24.85	2.853	
3,800.00	3,762.45	3,781.54	3,752.35	13.55	13.28	4.65	358.39	291.57	66.19	40.12	26.06	2.539	
3,900.00	3,860.50	3,881.23	3,850.55	13.96	13.68	-1.33	374.97	296.06	62.12	34.87	27.25	2.280	
4,000.00	3,958.55	3,980.93	3,948.75	14.37	14.08	-8.06	391.56	300.54	58.82	30.49	28.33	2.076	
4,100.00	4,056.59	4,080.62	4,046.95	14.79	14.48	-15.47	408.14	305.03	56.42	27.22	29.20	1.932 Collision Risk Procedures Req.	
4,200.00	4,154.64	4,180.31	4,145.15	15.21	14.89	-23.39	424.73	309.52	55.05	25.27	29.77	1.849 Collision Risk Procedures Req.	
4,274.79	4,227.96	4,254.87	4,218.59	15.53	15.20	-29.48	437.13	312.88	54.73	24.77	29.96	1.827 Collision Risk Procedures Req., CC, E	
4,300.00	4,252.69	4,280.00	4,243.35	15.64	15.30	-31.54	441.31	314.01	54.77	24.79	29.98	1.827 Collision Risk Procedures Req.	
4,400.00	4,350.73	4,379.70	4,341.55	16.06	15.71	-39.62	457.90	318.49	55.61	25.77	29.83	1.864 Collision Risk Procedures Req.	
4,500.00	4,448.78	4,479.39	4,439.76	16.49	16.13	-47.31	474.48	322.98	57.51	28.09	29.41	1.955 Collision Risk Procedures Req.	
4,600.00	4,546.83	4,579.08	4,537.96	16.92	16.55	-54.39	491.07	327.47	60.38	31.54	28.84	2.094	
4,700.00	4,644.87	4,678.77	4,636.16	17.35	16.96	-60.74	507.65	331.96	64.08	35.86	28.23	2.270	
4,800.00	4,742.92	4,778.47	4,734.36	17.79	17.38	-66.35	524.24	336.45	68.49	40.83	27.66	2.476	
4,900.00	4,840.97	4,878.16	4,832.56	18.22	17.81	-71.23	540.82	340.93	73.47	46.27	27.20	2.701	
5,000.00	4,939.01	4,977.85	4,930.76	18.66	18.23	-75.48	557.41	345.42	78.91	52.06	26.85	2.939	

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 801H
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 801H	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:												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	
5,100.00	5,037.06	5,077.54	5,028.96	19.10	18.66	-79.16	573.99	349.91	84.73	58.11	26.62	3.183	
5,200.00	5,135.11	5,177.24	5,127.16	19.54	19.08	-82.35	590.57	354.40	90.86	64.35	26.51	3.428	
5,300.00	5,233.15	5,276.93	5,225.36	19.98	19.51	-85.14	607.16	358.89	97.23	70.74	26.48	3.671	
5,400.00	5,331.20	5,376.62	5,323.56	20.43	19.94	-87.58	623.74	363.37	103.80	77.26	26.54	3.911	
5,500.00	5,429.25	5,476.31	5,421.76	20.87	20.37	-89.73	640.33	367.86	110.54	83.87	26.67	4.144	
5,600.00	5,527.29	5,576.21	5,520.17	21.32	20.79	-91.64	656.92	372.35	117.40	90.57	26.83	4.375	
5,700.00	5,625.34	5,677.31	5,620.12	21.76	21.25	-94.35	671.56	376.31	123.66	96.73	26.93	4.592	
5,800.00	5,723.39	5,778.06	5,720.19	22.21	21.75	-98.29	682.76	379.34	129.22	102.26	26.96	4.793	
5,900.00	5,821.43	5,878.21	5,820.01	22.66	22.23	-103.32	690.52	381.44	134.70	107.61	27.10	4.971	
6,000.00	5,919.48	5,977.53	5,919.23	23.11	22.65	-109.29	694.88	382.62	140.87	113.28	27.59	5.105	
6,100.00	6,017.75	6,076.06	6,017.75	23.55	22.86	-115.66	695.98	382.92	148.07	119.48	28.59	5.179	
6,200.00	6,116.60	6,174.91	6,116.60	24.06	22.90	-120.77	695.98	382.92	155.29	125.40	29.88	5.197	
6,300.00	6,215.91	6,274.22	6,215.91	24.57	22.95	-124.41	695.98	382.92	161.59	130.49	31.10	5.196	
6,400.00	6,315.57	6,373.88	6,315.57	25.04	23.00	-126.81	695.98	382.92	166.37	134.28	32.09	5.184	
6,500.00	6,415.45	6,473.77	6,415.45	25.46	23.05	-128.12	695.98	382.92	169.23	136.43	32.80	5.160	
6,600.00	6,515.44	6,573.75	6,515.44	25.65	23.10	-90.00	695.98	382.92	170.00	136.92	33.08	5.138	
6,700.00	6,615.44	6,673.75	6,615.44	25.69	23.14	-90.00	695.98	382.92	170.00	136.79	33.21	5.119	
6,800.00	6,715.44	6,773.75	6,715.44	25.73	23.19	-90.00	695.98	382.92	170.00	136.65	33.35	5.098	
6,900.00	6,815.44	6,873.75	6,815.44	25.77	23.24	-90.00	695.98	382.92	170.00	136.52	33.48	5.077	
7,000.00	6,915.44	6,973.75	6,915.44	25.82	23.29	-90.00	695.98	382.92	170.00	136.38	33.62	5.057	
7,100.00	7,015.44	7,073.75	7,015.44	25.86	23.35	-90.00	695.98	382.92	170.00	136.25	33.75	5.037	
7,200.00	7,115.44	7,173.75	7,115.44	25.90	23.40	-90.00	695.98	382.92	170.00	136.11	33.89	5.017	
7,300.00	7,215.44	7,273.75	7,215.44	25.95	23.45	-90.00	695.98	382.92	170.00	135.98	34.02	4.997	
7,400.00	7,315.44	7,373.75	7,315.44	25.99	23.50	-90.00	695.98	382.92	170.00	135.84	34.16	4.977	
7,500.00	7,415.44	7,473.75	7,415.44	26.03	23.55	-90.00	695.98	382.92	170.00	135.71	34.29	4.957	
7,600.00	7,515.44	7,573.75	7,515.44	26.08	23.60	-90.00	695.98	382.92	170.00	135.57	34.43	4.938	
7,700.00	7,615.44	7,673.75	7,615.44	26.12	23.65	-90.00	695.98	382.92	170.00	135.44	34.56	4.919	
7,800.00	7,715.44	7,773.75	7,715.44	26.17	23.70	-90.00	695.98	382.92	170.00	135.30	34.70	4.899	
7,900.00	7,815.44	7,873.75	7,815.44	26.21	23.75	-90.00	695.98	382.92	170.00	135.16	34.84	4.880	
8,000.00	7,915.44	7,973.75	7,915.44	26.26	23.81	-90.00	695.98	382.92	170.00	135.03	34.97	4.861	
8,100.00	8,015.44	8,073.75	8,015.44	26.30	23.86	-90.00	695.98	382.92	170.00	134.89	35.11	4.842	
8,200.00	8,115.44	8,173.75	8,115.44	26.35	23.91	-90.00	695.98	382.92	170.00	134.76	35.24	4.823	
8,300.00	8,215.44	8,273.75	8,215.44	26.39	23.96	-90.00	695.98	382.92	170.00	134.62	35.38	4.805	
8,400.00	8,315.44	8,373.75	8,315.44	26.44	24.02	-90.00	695.98	382.92	170.00	134.48	35.52	4.786	
8,500.00	8,415.44	8,473.75	8,415.44	26.48	24.07	-90.00	695.98	382.92	170.00	134.34	35.66	4.768	
8,600.00	8,515.44	8,573.75	8,515.44	26.53	24.12	-90.00	695.98	382.92	170.00	134.21	35.79	4.750	
8,700.00	8,615.44	8,673.75	8,615.44	26.57	24.17	-90.00	695.98	382.92	170.00	134.07	35.93	4.731	
8,800.00	8,715.44	8,773.75	8,715.44	26.62	24.23	-90.00	695.98	382.92	170.00	133.93	36.07	4.713	
8,900.00	8,815.44	8,874.92	8,816.59	26.67	24.22	-90.25	695.22	383.02	169.90	133.64	36.26	4.686	
9,000.00	8,915.44	8,976.79	8,917.32	26.71	24.16	-95.06	681.11	384.96	168.63	130.95	37.68	4.476	
9,032.55	8,947.99	9,008.50	8,947.99	26.73	24.13	-97.80	673.12	386.05	168.43	129.98	38.45	4.380	
9,100.00	9,015.44	9,070.91	9,006.82	26.76	24.07	-104.83	652.56	388.87	169.92	129.58	40.34	4.212	
9,200.00	9,115.44	9,153.82	9,080.82	26.81	23.97	-116.79	615.68	393.92	181.46	138.65	42.81	4.239	
9,300.00	9,215.44	9,224.56	9,139.17	26.85	23.86	-127.97	576.12	399.34	209.21	165.74	43.48	4.812	
9,400.00	9,315.44	9,283.94	9,184.03	26.90	23.77	-136.87	537.63	404.61	253.65	211.11	42.54	5.962	
9,500.00	9,415.44	9,333.47	9,218.22	26.95	23.70	-143.50	502.14	409.47	311.52	270.42	41.11	7.579	
9,600.00	9,515.44	9,374.85	9,244.32	27.00	23.63	-148.35	470.34	413.83	379.16	339.32	39.84	9.516	
9,700.00	9,615.44	9,400.00	9,259.03	27.04	23.59	-150.99	450.13	416.60	453.93	415.26	38.67	11.739	
9,800.00	9,715.44	9,450.00	9,285.54	27.09	23.52	-155.60	408.15	422.35	533.58	494.97	38.61	13.821	
9,900.00	9,815.44	9,464.02	9,292.30	27.14	23.51	-156.75	395.99	424.01	616.67	578.61	38.07	16.200	
10,000.00	9,915.44	9,485.55	9,302.10	27.19	23.48	-158.40	377.00	426.62	702.78	664.82	37.96	18.514	
10,100.00	10,015.44	9,500.00	9,308.26	27.24	23.46	-159.44	364.04	428.39	791.07	753.12	37.95	20.846	

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 801H
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 801H	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		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)			
10,200.00	10,115.44	9,520.48	9,316.43	27.28	23.44	-160.81	345.44	430.94	881.01	842.88	38.13	23.107	
10,300.00	10,215.44	9,550.00	9,327.02	27.33	23.40	-162.62	318.14	434.68	972.65	934.20	38.45	25.298	
10,400.00	10,315.44	9,550.00	9,327.02	27.38	23.40	-162.62	318.14	434.68	1,064.77	1,026.16	38.61	27.580	
10,500.00	10,415.44	9,550.00	9,327.02	27.43	23.40	-162.62	318.14	434.68	1,158.19	1,119.36	38.83	29.825	
10,600.00	10,515.44	9,568.87	9,333.03	27.48	23.39	-163.68	300.42	437.10	1,252.19	1,212.98	39.21	31.939	
10,700.00	10,615.44	9,577.97	9,335.72	27.53	23.38	-164.16	291.81	438.28	1,346.91	1,307.37	39.55	34.059	
10,800.00	10,715.44	9,600.00	9,341.66	27.58	23.36	-165.27	270.79	441.16	1,442.41	1,402.44	39.97	36.090	
10,900.00	10,815.44	9,600.00	9,341.66	27.63	23.36	-165.27	270.79	441.16	1,537.96	1,497.66	40.30	38.165	
11,000.00	10,915.44	9,600.00	9,341.66	27.68	23.36	-165.27	270.79	441.16	1,634.03	1,593.39	40.64	40.206	
11,100.00	11,015.44	9,600.00	9,341.66	27.73	23.36	-165.27	270.79	441.16	1,730.56	1,689.56	41.00	42.213	
11,200.00	11,115.44	9,600.00	9,341.66	27.78	23.36	-165.27	270.79	441.16	1,827.45	1,786.09	41.36	44.187	
11,300.00	11,215.44	9,600.00	9,341.66	27.83	23.36	-165.27	270.79	441.16	1,924.66	1,882.94	41.72	46.127	
11,400.00	11,315.44	9,622.65	9,346.91	27.88	23.35	-166.32	248.96	444.15	2,021.58	1,979.38	42.19	47.912	

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 801H
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 801H	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		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	85.60	20.00	260.00	260.77				
100.00	100.00	100.00	100.00	0.66	0.66	85.60	20.00	260.00	260.77	259.45	1.32	197.975	
200.00	200.00	200.00	200.00	1.35	1.35	85.60	20.00	260.00	260.77	258.07	2.70	96.681	
300.00	300.00	300.00	300.00	1.82	1.82	85.60	20.00	260.00	260.77	257.13	3.63	71.755	
400.00	400.00	400.00	400.00	2.19	2.19	85.60	20.00	260.00	260.77	256.39	4.38	59.524	
500.00	500.00	500.00	500.00	2.51	2.51	85.60	20.00	260.00	260.77	255.75	5.02	51.914	
600.00	600.00	600.00	600.00	2.80	2.80	85.60	20.00	260.00	260.77	255.17	5.60	46.593	
700.00	700.00	700.00	700.00	3.06	3.06	85.60	20.00	260.00	260.77	254.65	6.12	42.602	
800.00	800.00	800.00	800.00	3.30	3.30	85.60	20.00	260.00	260.77	254.16	6.61	39.462	
900.00	900.00	900.00	900.00	3.53	3.53	85.60	20.00	260.00	260.77	253.70	7.07	36.909	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	85.60	20.00	260.00	260.77	253.27	7.50	34.778	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	85.60	20.00	260.00	260.77	252.86	7.91	32.964	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	85.60	20.00	260.00	260.77	252.46	8.31	31.395	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	85.60	20.00	260.00	260.77	252.08	8.69	30.020	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	85.60	20.00	260.00	260.77	251.71	9.05	28.802	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	85.60	20.00	260.00	260.77	251.36	9.41	27.712	
1,600.00	1,599.98	1,595.72	1,595.70	5.04	5.04	47.10	21.45	260.68	260.40	250.57	9.83	26.482	
1,700.00	1,699.84	1,691.44	1,691.30	5.69	5.64	47.01	25.80	262.70	259.30	248.80	10.50	24.695	
1,800.00	1,799.45	1,787.15	1,786.67	6.29	6.22	46.85	33.03	266.08	257.47	246.32	11.15	23.085	
1,900.00	1,898.70	1,882.84	1,881.70	6.86	6.77	46.62	43.15	270.79	254.91	243.12	11.80	21.604	
2,000.00	1,997.47	1,975.43	1,973.34	7.41	7.13	46.55	54.73	277.21	252.14	239.72	12.43	20.291	
2,100.00	2,095.66	2,067.39	2,064.11	7.70	7.40	47.05	66.13	286.50	250.27	237.38	12.89	19.415	
2,125.14	2,120.31	2,090.52	2,086.89	7.76	7.47	47.22	68.96	289.30	250.17	237.16	13.01	19.233 CC, ES	
2,200.00	2,193.71	2,159.35	2,154.56	7.93	7.72	47.74	77.35	298.72	251.07	237.71	13.36	18.791	
2,300.00	2,291.75	2,251.15	2,244.43	8.20	8.07	48.50	88.37	313.82	255.10	241.24	13.87	18.397	
2,400.00	2,389.80	2,342.59	2,333.44	8.48	8.43	49.28	99.17	331.74	262.37	247.98	14.39	18.232 SF	
2,500.00	2,487.85	2,433.50	2,421.34	8.77	8.76	50.06	109.70	352.38	272.85	257.97	14.87	18.345	
2,600.00	2,585.89	2,530.21	2,514.33	9.09	9.01	50.86	120.74	376.54	285.69	270.39	15.30	18.671	
2,700.00	2,683.94	2,629.29	2,609.57	9.41	9.28	51.62	132.04	401.39	298.71	282.92	15.79	18.917	
2,800.00	2,781.99	2,728.36	2,704.81	9.75	9.58	52.31	143.34	426.25	311.78	295.47	16.31	19.116	
2,900.00	2,880.03	2,827.44	2,800.05	10.09	9.90	52.94	154.64	451.10	324.88	308.03	16.85	19.281	
3,000.00	2,978.08	2,926.51	2,895.29	10.45	10.23	53.53	165.94	475.96	338.02	320.62	17.41	19.419	
3,100.00	3,076.13	3,025.59	2,990.53	10.81	10.57	54.07	177.24	500.82	351.20	333.22	17.98	19.532	
3,200.00	3,174.17	3,124.67	3,085.77	11.19	10.93	54.57	188.54	525.67	364.40	345.83	18.57	19.626	
3,300.00	3,272.22	3,223.74	3,181.01	11.57	11.30	55.03	199.84	550.53	377.63	358.46	19.17	19.702	
3,400.00	3,370.27	3,322.82	3,276.25	11.95	11.68	55.47	211.14	575.38	390.88	371.10	19.78	19.765	
3,500.00	3,468.31	3,421.89	3,371.49	12.34	12.07	55.88	222.45	600.24	404.15	383.75	20.40	19.815	
3,600.00	3,566.36	3,520.97	3,466.73	12.74	12.46	56.26	233.75	625.09	417.44	396.42	21.02	19.855	
3,700.00	3,664.41	3,620.05	3,561.97	13.14	12.87	56.61	245.05	649.95	430.75	409.09	21.66	19.886	
3,800.00	3,762.45	3,719.12	3,657.21	13.55	13.28	56.95	256.35	674.80	444.07	421.77	22.30	19.910	
3,900.00	3,860.50	3,818.20	3,752.45	13.96	13.70	57.27	267.65	699.66	457.41	434.46	22.95	19.928	
4,000.00	3,958.55	3,917.27	3,847.69	14.37	14.12	57.57	278.95	724.51	470.76	447.15	23.61	19.941	
4,100.00	4,056.59	4,016.35	3,942.92	14.79	14.55	57.85	290.25	749.37	484.12	459.85	24.27	19.950	
4,200.00	4,154.64	4,115.43	4,038.16	15.21	14.98	58.11	301.55	774.22	497.49	472.56	24.93	19.955	
4,300.00	4,252.69	4,214.50	4,133.40	15.64	15.42	58.37	312.86	799.08	510.87	485.28	25.60	19.956	
4,400.00	4,350.73	4,313.58	4,228.64	16.06	15.86	58.61	324.16	823.93	524.27	497.99	26.27	19.955	
4,500.00	4,448.78	4,412.65	4,323.88	16.49	16.30	58.84	335.46	848.79	537.67	510.72	26.95	19.952	
4,600.00	4,546.83	4,511.73	4,419.12	16.92	16.75	59.05	346.76	873.64	551.08	523.45	27.63	19.947	
4,700.00	4,644.87	4,610.80	4,514.36	17.35	17.20	59.26	358.06	898.50	564.49	536.18	28.31	19.941	
4,800.00	4,742.92	4,709.88	4,609.60	17.79	17.66	59.46	369.36	923.35	577.91	548.92	28.99	19.933	
4,900.00	4,840.97	4,808.96	4,704.84	18.22	18.11	59.64	380.66	948.21	591.34	561.66	29.68	19.924	
5,000.00	4,939.01	4,908.03	4,800.08	18.66	18.57	59.82	391.96	973.06	604.78	574.41	30.37	19.915	

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 801H
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 801H	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		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	5,037.06	5,007.11	4,895.32	19.10	19.03	60.00	403.26	997.92	618.22	587.16	31.06	19.904	
5,200.00	5,135.11	5,106.18	4,990.56	19.54	19.50	60.16	414.57	1,022.78	631.67	599.91	31.75	19.893	
5,300.00	5,233.15	5,205.26	5,085.80	19.98	19.96	60.32	425.87	1,047.63	645.12	612.67	32.45	19.882	
5,400.00	5,331.20	5,304.34	5,181.04	20.43	20.43	60.47	437.17	1,072.49	658.57	625.43	33.14	19.870	
5,500.00	5,429.25	5,403.41	5,276.28	20.87	20.90	60.61	448.47	1,097.34	672.03	638.19	33.84	19.858	
5,600.00	5,527.29	5,502.49	5,371.52	21.32	21.37	60.75	459.77	1,122.20	685.50	650.95	34.54	19.846	
5,700.00	5,625.34	5,601.56	5,466.75	21.76	21.84	60.89	471.07	1,147.05	698.96	663.72	35.24	19.833	
5,800.00	5,723.39	5,700.64	5,561.99	22.21	22.31	61.02	482.37	1,171.91	712.44	676.49	35.94	19.821	
5,900.00	5,821.43	5,799.72	5,657.23	22.66	22.79	61.14	493.67	1,196.76	725.91	689.26	36.65	19.808	
6,000.00	5,919.48	5,898.79	5,752.47	23.11	23.26	61.26	504.97	1,221.62	739.39	702.04	37.35	19.795	
6,100.00	6,017.75	5,997.80	5,847.64	23.55	23.74	61.50	516.27	1,246.45	753.43	715.38	38.06	19.797	
6,200.00	6,116.60	6,096.52	5,942.55	24.06	24.21	61.59	527.53	1,271.22	769.11	730.26	38.84	19.802	
6,300.00	6,215.91	6,194.85	6,037.07	24.57	24.69	61.49	538.74	1,295.89	786.44	746.77	39.67	19.826	
6,400.00	6,315.57	6,292.66	6,131.09	25.04	25.16	61.21	549.90	1,320.43	805.47	764.95	40.53	19.874	
6,500.00	6,415.45	6,389.82	6,224.49	25.46	25.63	60.79	560.98	1,344.80	826.28	784.86	41.42	19.948	
6,600.00	6,515.44	6,486.25	6,317.18	25.65	26.10	98.64	571.98	1,368.99	848.92	806.66	42.26	20.090	
6,700.00	6,615.44	6,582.37	6,409.58	25.69	26.57	97.66	582.95	1,393.11	872.39	829.33	43.06	20.259	
6,800.00	6,715.44	6,678.50	6,501.99	25.73	27.04	96.73	593.91	1,417.22	896.10	852.24	43.86	20.431	
6,900.00	6,815.44	6,774.63	6,594.40	25.77	27.51	95.85	604.88	1,441.34	920.03	875.38	44.65	20.607	
7,000.00	6,915.44	6,870.76	6,686.80	25.82	27.98	95.02	615.84	1,465.45	944.15	898.73	45.42	20.786	
7,100.00	7,015.44	6,966.89	6,779.21	25.86	28.45	94.22	626.81	1,489.57	968.46	922.27	46.19	20.968	
7,200.00	7,115.44	7,063.01	6,871.61	25.90	28.92	93.47	637.77	1,513.69	992.93	945.99	46.94	21.152	
7,300.00	7,215.44	7,159.14	6,964.02	25.95	29.39	92.75	648.74	1,537.80	1,017.56	969.87	47.69	21.337	
7,400.00	7,315.44	7,278.58	7,079.06	25.99	29.99	91.92	662.01	1,566.99	1,041.81	993.23	48.58	21.445	
7,500.00	7,415.44	7,424.35	7,221.02	26.03	30.77	91.11	675.70	1,597.10	1,062.32	1,012.76	49.56	21.435	
7,600.00	7,515.44	7,573.25	7,367.56	26.08	31.55	90.50	686.58	1,621.04	1,078.35	1,027.97	50.38	21.405	
7,700.00	7,615.44	7,724.55	7,517.66	26.12	32.29	90.08	694.40	1,638.22	1,089.70	1,038.70	51.00	21.367	
7,800.00	7,715.44	7,877.45	7,670.14	26.17	32.95	89.84	698.95	1,648.24	1,096.26	1,044.87	51.39	21.332	
7,900.00	7,815.44	8,022.79	7,815.44	26.21	33.29	89.78	700.17	1,650.92	1,098.01	1,046.63	51.38	21.371	
8,000.00	7,915.44	8,122.79	7,915.44	26.26	33.32	89.78	700.17	1,650.92	1,098.01	1,046.55	51.46	21.337	
8,100.00	8,015.44	8,222.79	8,015.44	26.30	33.35	89.78	700.17	1,650.92	1,098.01	1,046.46	51.55	21.301	
8,200.00	8,115.44	8,322.79	8,115.44	26.35	33.38	89.78	700.17	1,650.92	1,098.01	1,046.38	51.63	21.266	
8,300.00	8,215.44	8,422.79	8,215.44	26.39	33.41	89.78	700.17	1,650.92	1,098.01	1,046.29	51.72	21.231	
8,400.00	8,315.44	8,522.79	8,315.44	26.44	33.44	89.78	700.17	1,650.92	1,098.01	1,046.20	51.80	21.195	
8,500.00	8,415.44	8,622.79	8,415.44	26.48	33.48	89.78	700.17	1,650.92	1,098.01	1,046.12	51.89	21.160	
8,600.00	8,515.44	8,722.79	8,515.44	26.53	33.51	89.78	700.17	1,650.92	1,098.01	1,046.03	51.98	21.124	
8,700.00	8,615.44	8,822.79	8,615.44	26.57	33.54	89.78	700.17	1,650.92	1,098.01	1,045.94	52.07	21.089	
8,800.00	8,715.44	8,922.79	8,715.44	26.62	33.57	89.78	700.17	1,650.92	1,098.01	1,045.85	52.15	21.053	
8,803.47	8,718.91	8,926.26	8,718.91	26.62	33.57	89.78	700.17	1,650.92	1,098.01	1,045.85	52.16	21.052	
8,900.00	8,815.44	9,016.35	8,809.00	26.67	33.58	89.80	699.75	1,650.99	1,098.09	1,045.81	52.28	21.003	
9,000.00	8,915.44	9,092.75	8,884.92	26.71	33.51	90.22	691.85	1,652.24	1,099.75	1,047.33	52.42	20.980	
9,100.00	9,015.44	9,165.79	8,955.90	26.76	33.43	91.09	675.04	1,654.90	1,103.79	1,051.37	52.42	21.056	
9,200.00	9,115.44	9,233.53	9,019.30	26.81	33.34	92.30	651.59	1,658.61	1,110.75	1,058.42	52.34	21.223	
9,300.00	9,215.44	9,300.00	9,078.37	26.85	33.26	93.83	621.56	1,663.37	1,121.35	1,069.21	52.14	21.505	
9,400.00	9,315.44	9,350.00	9,120.26	26.90	33.20	95.20	594.63	1,667.64	1,136.21	1,084.16	52.05	21.831	
9,500.00	9,415.44	9,400.00	9,159.61	26.95	33.14	96.71	564.19	1,672.46	1,155.93	1,104.07	51.86	22.290	
9,600.00	9,515.44	9,450.00	9,196.13	27.00	33.09	98.37	530.48	1,677.80	1,180.97	1,129.37	51.60	22.888	
9,700.00	9,615.44	9,476.42	9,214.19	27.04	33.07	99.29	511.43	1,680.81	1,211.28	1,159.75	51.53	23.505	
9,800.00	9,715.44	9,500.00	9,229.54	27.09	33.05	100.14	493.76	1,683.61	1,247.18	1,195.76	51.43	24.252	
9,900.00	9,815.44	9,550.00	9,259.58	27.14	33.01	102.00	454.30	1,689.86	1,288.42	1,237.37	51.05	25.236	
10,000.00	9,915.44	9,550.00	9,259.58	27.19	33.01	102.00	454.30	1,689.86	1,334.62	1,283.55	51.07	26.134	
10,100.00	10,015.44	9,583.54	9,277.72	27.24	32.99	103.29	426.45	1,694.27	1,385.48	1,334.66	50.82	27.263	

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 801H
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 801H	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		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)			
10,200.00	10,115.44	9,600.00	9,286.02	27.28	32.98	103.93	412.40	1,696.50	1,440.88	1,390.19	50.68	28.429	
10,300.00	10,215.44	9,620.33	9,295.70	27.33	32.97	104.72	394.74	1,699.29	1,500.28	1,449.75	50.54	29.687	
10,400.00	10,315.44	9,650.00	9,308.66	27.38	32.96	105.89	368.39	1,703.47	1,563.55	1,513.17	50.38	31.037	
10,500.00	10,415.44	9,650.00	9,308.66	27.43	32.96	105.89	368.39	1,703.47	1,629.73	1,579.39	50.35	32.371	
10,600.00	10,515.44	9,650.00	9,308.66	27.48	32.96	105.89	368.39	1,703.47	1,699.23	1,648.92	50.31	33.773	
10,700.00	10,615.44	9,673.89	9,318.09	27.53	32.96	106.84	346.72	1,706.90	1,771.10	1,720.84	50.26	35.238	
10,800.00	10,715.44	9,700.00	9,327.34	27.58	32.96	107.87	322.60	1,710.72	1,845.74	1,795.49	50.25	36.734	
10,900.00	10,815.44	9,700.00	9,327.34	27.63	32.96	107.87	322.60	1,710.72	1,922.07	1,871.79	50.28	38.227	
11,000.00	10,915.44	9,700.00	9,327.34	27.68	32.96	107.87	322.60	1,710.72	2,000.50	1,950.17	50.33	39.750	
11,100.00	11,015.44	9,700.00	9,327.34	27.73	32.96	107.87	322.60	1,710.72	2,080.77	2,030.38	50.39	41.294	

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 801H
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 801H	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)			
0.00	0.00	0.00	0.00	0.50	0.50	84.81	20.00	220.00	220.91				
100.00	100.00	100.00	100.00	0.66	0.66	84.81	20.00	220.00	220.91	219.59	1.32	167.712	
200.00	200.00	200.00	200.00	1.35	1.35	84.81	20.00	220.00	220.91	218.21	2.70	81.902	
300.00	300.00	300.00	300.00	1.82	1.82	84.81	20.00	220.00	220.91	217.27	3.63	60.787	
400.00	400.00	400.00	400.00	2.19	2.19	84.81	20.00	220.00	220.91	216.53	4.38	50.425	
500.00	500.00	500.00	500.00	2.51	2.51	84.81	20.00	220.00	220.91	215.88	5.02	43.979	
600.00	600.00	600.00	600.00	2.80	2.80	84.81	20.00	220.00	220.91	215.31	5.60	39.471	
700.00	700.00	700.00	700.00	3.06	3.06	84.81	20.00	220.00	220.91	214.79	6.12	36.090	
800.00	800.00	800.00	800.00	3.30	3.30	84.81	20.00	220.00	220.91	214.30	6.61	33.430	
900.00	900.00	900.00	900.00	3.53	3.53	84.81	20.00	220.00	220.91	213.84	7.07	31.267	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	84.81	20.00	220.00	220.91	213.41	7.50	29.462	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	84.81	20.00	220.00	220.91	213.00	7.91	27.925	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	84.81	20.00	220.00	220.91	212.60	8.31	26.596	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	84.81	20.00	220.00	220.91	212.22	8.69	25.431	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	84.81	20.00	220.00	220.91	211.85	9.05	24.399	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	84.81	20.00	220.00	220.91	211.50	9.41	23.476	
1,600.00	1,599.98	1,596.68	1,596.66	5.04	5.04	46.28	21.52	220.59	220.45	210.62	9.83	22.419	
1,700.00	1,699.84	1,693.34	1,693.20	5.69	5.66	46.12	26.08	222.36	219.10	208.60	10.49	20.881	
1,800.00	1,799.45	1,789.99	1,789.49	6.29	6.24	45.83	33.67	225.32	216.84	205.70	11.14	19.463	
1,900.00	1,898.70	1,886.60	1,885.42	6.86	6.80	45.42	44.27	229.44	213.70	201.91	11.79	18.126	
2,000.00	1,997.47	1,983.16	1,980.87	7.41	7.34	44.87	57.88	234.73	209.68	197.23	12.45	16.841	
2,100.00	2,095.66	2,079.67	2,075.72	7.70	7.88	44.12	74.47	241.19	204.94	191.98	12.97	15.805	
2,200.00	2,193.71	2,178.67	2,172.55	7.93	8.27	42.82	93.66	248.65	200.88	187.39	13.49	14.894	
2,300.00	2,291.75	2,278.47	2,270.16	8.20	8.54	41.44	113.10	256.21	196.98	182.95	14.02	14.047	
2,400.00	2,389.80	2,378.28	2,367.76	8.48	8.81	40.00	132.53	263.77	193.19	178.60	14.59	13.244	
2,500.00	2,487.85	2,478.09	2,465.37	8.77	9.09	38.50	151.97	271.33	189.53	174.35	15.19	12.480	
2,600.00	2,585.89	2,577.90	2,562.97	9.09	9.39	36.95	171.40	278.89	186.01	170.19	15.82	11.756	
2,700.00	2,683.94	2,677.71	2,660.58	9.41	9.71	35.34	190.84	286.45	182.63	166.13	16.49	11.072	
2,800.00	2,781.99	2,777.51	2,758.18	9.75	10.03	33.67	210.28	294.01	179.39	162.19	17.20	10.427	
2,900.00	2,880.03	2,877.32	2,855.79	10.09	10.37	31.94	229.71	301.57	176.32	158.37	17.95	9.823	
3,000.00	2,978.08	2,977.13	2,953.39	10.45	10.72	30.15	249.15	309.13	173.41	154.68	18.73	9.258	
3,100.00	3,076.13	3,076.94	3,051.00	10.81	11.08	28.30	268.58	316.69	170.68	151.13	19.55	8.731	
3,200.00	3,174.17	3,176.75	3,148.60	11.19	11.44	26.39	288.02	324.24	168.13	147.73	20.40	8.241	
3,300.00	3,272.22	3,276.55	3,246.21	11.57	11.82	24.43	307.45	331.80	165.78	144.49	21.29	7.788	
3,400.00	3,370.27	3,376.36	3,343.81	11.95	12.20	22.41	326.89	339.36	163.62	141.42	22.20	7.371	
3,500.00	3,468.31	3,476.17	3,441.42	12.34	12.58	20.35	346.33	346.92	161.68	138.53	23.14	6.986	
3,600.00	3,566.36	3,575.98	3,539.03	12.74	12.98	18.23	365.76	354.48	159.95	135.84	24.11	6.635	
3,700.00	3,664.41	3,675.79	3,636.63	13.14	13.38	16.07	385.20	362.04	158.44	133.34	25.09	6.314	
3,800.00	3,762.45	3,775.60	3,734.24	13.55	13.78	13.88	404.63	369.60	157.16	131.06	26.10	6.022	
3,900.00	3,860.50	3,875.40	3,831.84	13.96	14.19	11.65	424.07	377.16	156.12	129.01	27.11	5.758	
4,000.00	3,958.55	3,975.21	3,929.45	14.37	14.60	9.39	443.50	384.72	155.32	127.18	28.14	5.520	
4,100.00	4,056.59	4,075.02	4,027.05	14.79	15.02	7.12	462.94	392.28	154.76	125.60	29.16	5.307	
4,200.00	4,154.64	4,174.83	4,124.66	15.21	15.43	4.83	482.37	399.84	154.44	124.26	30.18	5.117	
4,275.95	4,229.10	4,250.63	4,198.79	15.53	15.75	3.09	497.14	405.58	154.37	123.42	30.95	4.987	
4,300.00	4,252.69	4,274.64	4,222.26	15.64	15.86	2.54	501.81	407.40	154.38	123.18	31.20	4.949	
4,400.00	4,350.73	4,374.44	4,319.87	16.06	16.28	0.25	521.25	414.96	154.56	122.37	32.20	4.800	
4,500.00	4,448.78	4,474.25	4,417.47	16.49	16.71	-2.03	540.68	422.52	154.99	121.81	33.18	4.671	
4,600.00	4,546.83	4,574.06	4,515.08	16.92	17.14	-4.30	560.12	430.08	155.67	121.52	34.15	4.558	
4,700.00	4,644.87	4,673.87	4,612.68	17.35	17.57	-6.54	579.55	437.64	156.59	121.50	35.09	4.462	
4,800.00	4,742.92	4,773.68	4,710.29	17.79	18.01	-8.76	598.99	445.20	157.75	121.74	36.01	4.381	
4,900.00	4,840.97	4,873.48	4,807.89	18.22	18.44	-10.94	618.42	452.76	159.14	122.24	36.90	4.313	
5,000.00	4,939.01	4,973.54	4,905.74	18.66	18.87	-13.08	637.90	460.33	160.75	123.00	37.75	4.258	

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 801H
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 801H	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
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	
5,100.00	5,037.06	5,079.30	5,009.58	19.10	19.36	-15.27	656.57	467.59	160.59	121.95	38.64	4.156	
5,200.00	5,135.11	5,184.92	5,113.96	19.54	19.92	-17.48	671.63	473.45	156.96	117.44	39.51	3.972	
5,300.00	5,233.15	5,290.13	5,218.44	19.98	20.45	-19.85	683.05	477.89	149.88	109.60	40.27	3.721	
5,400.00	5,331.20	5,394.63	5,322.60	20.43	20.96	-22.60	690.86	480.93	139.43	98.56	40.86	3.412	
5,500.00	5,429.25	5,498.17	5,426.03	20.87	21.40	-26.02	695.09	482.57	125.75	84.54	41.21	3.051	
5,600.00	5,527.29	5,599.44	5,527.29	21.32	21.57	-30.60	695.98	482.92	109.26	68.21	41.04	2.662	
5,700.00	5,625.34	5,697.49	5,625.34	21.76	21.61	-36.76	695.98	482.92	92.77	52.35	40.41	2.295	
5,800.00	5,723.39	5,795.53	5,723.39	22.21	21.66	-45.37	695.98	482.92	77.77	38.85	38.92	1.998 Collision Risk Procedures Req.	
5,900.00	5,821.43	5,893.58	5,821.43	22.66	21.71	-57.58	695.98	482.92	65.31	29.34	35.97	1.816 Collision Risk Procedures Req.	
6,000.00	5,919.48	5,991.63	5,919.48	23.11	21.76	-74.18	695.98	482.92	57.05	25.61	31.44	1.814 Collision Risk Procedures Req., ES	
6,085.82	6,003.83	6,075.97	6,003.83	23.49	21.80	-90.00	695.98	482.92	54.81	26.59	28.22	1.942 Collision Risk Procedures Req., CC	
6,100.00	6,017.75	6,089.90	6,017.75	23.55	21.81	-92.74	695.98	482.92	54.87	26.96	27.92	1.966 Collision Risk Procedures Req.	
6,200.00	6,116.60	6,188.74	6,116.60	24.06	21.86	-107.81	695.98	482.92	57.62	29.48	28.14	2.048	
6,300.00	6,215.91	6,288.06	6,215.91	24.57	21.91	-118.11	695.98	482.92	62.21	32.01	30.19	2.060	
6,400.00	6,315.57	6,387.72	6,315.57	25.04	21.96	-124.40	695.98	482.92	66.47	34.33	32.14	2.068	
6,500.00	6,415.45	6,487.60	6,415.45	25.46	22.01	-127.64	695.98	482.92	69.23	35.81	33.42	2.072	
6,600.00	6,515.44	6,587.59	6,515.44	25.65	22.06	-90.00	695.98	482.92	70.00	36.15	33.85	2.068	
6,700.00	6,615.44	6,687.59	6,615.44	25.69	22.11	-90.00	695.98	482.92	70.00	36.03	33.97	2.060	
6,800.00	6,715.44	6,787.59	6,715.44	25.73	22.17	-90.00	695.98	482.92	70.00	35.90	34.10	2.053	
6,900.00	6,815.44	6,887.59	6,815.44	25.77	22.22	-90.00	695.98	482.92	70.00	35.77	34.23	2.045	
7,000.00	6,915.44	6,987.59	6,915.44	25.82	22.27	-90.00	695.98	482.92	70.00	35.64	34.36	2.037	
7,100.00	7,015.44	7,087.59	7,015.44	25.86	22.32	-90.00	695.98	482.92	70.00	35.51	34.49	2.029	
7,200.00	7,115.44	7,187.59	7,115.44	25.90	22.38	-90.00	695.98	482.92	70.00	35.38	34.62	2.022	
7,300.00	7,215.44	7,287.59	7,215.44	25.95	22.43	-90.00	695.98	482.92	70.00	35.25	34.75	2.014	
7,400.00	7,315.44	7,387.59	7,315.44	25.99	22.48	-90.00	695.98	482.92	70.00	35.12	34.88	2.007	
7,500.00	7,415.44	7,487.59	7,415.44	26.03	22.53	-90.00	695.98	482.92	70.00	34.99	35.01	1.999 Collision Risk Procedures Req.	
7,600.00	7,515.44	7,587.59	7,515.44	26.08	22.59	-90.00	695.98	482.92	70.00	34.86	35.14	1.992 Collision Risk Procedures Req.	
7,700.00	7,615.44	7,687.59	7,615.44	26.12	22.64	-90.00	695.98	482.92	70.00	34.72	35.28	1.984 Collision Risk Procedures Req.	
7,800.00	7,715.44	7,787.59	7,715.44	26.17	22.69	-90.00	695.98	482.92	70.00	34.59	35.41	1.977 Collision Risk Procedures Req.	
7,900.00	7,815.44	7,887.59	7,815.44	26.21	22.75	-90.00	695.98	482.92	70.00	34.46	35.54	1.970 Collision Risk Procedures Req.	
8,000.00	7,915.44	7,987.59	7,915.44	26.26	22.80	-90.00	695.98	482.92	70.00	34.33	35.67	1.962 Collision Risk Procedures Req.	
8,100.00	8,015.44	8,087.59	8,015.44	26.30	22.86	-90.00	695.98	482.92	70.00	34.20	35.80	1.955 Collision Risk Procedures Req.	
8,200.00	8,115.44	8,187.59	8,115.44	26.35	22.91	-90.00	695.98	482.92	70.00	34.07	35.93	1.948 Collision Risk Procedures Req.	
8,300.00	8,215.44	8,287.59	8,215.44	26.39	22.96	-90.00	695.98	482.92	70.00	33.93	36.07	1.941 Collision Risk Procedures Req.	
8,400.00	8,315.44	8,387.59	8,315.44	26.44	23.02	-90.00	695.98	482.92	70.00	33.80	36.20	1.934 Collision Risk Procedures Req.	
8,500.00	8,415.44	8,487.59	8,415.44	26.48	23.07	-90.00	695.98	482.92	70.00	33.67	36.33	1.927 Collision Risk Procedures Req.	
8,600.00	8,515.44	8,587.59	8,515.44	26.53	23.13	-90.00	695.98	482.92	70.00	33.53	36.47	1.920 Collision Risk Procedures Req.	
8,700.00	8,615.44	8,687.59	8,615.44	26.57	23.18	-90.00	695.98	482.92	70.00	33.40	36.60	1.913 Collision Risk Procedures Req.	
8,800.00	8,715.44	8,787.59	8,715.44	26.62	23.24	-90.00	695.98	482.92	70.00	33.27	36.73	1.906 Collision Risk Procedures Req.	
8,900.00	8,815.44	8,887.59	8,815.44	26.67	23.29	-90.00	695.98	482.92	70.00	33.13	36.87	1.899 Collision Risk Procedures Req.	
9,000.00	8,915.44	8,987.59	8,915.44	26.71	23.35	-90.00	695.98	482.92	70.00	33.00	37.00	1.892 Collision Risk Procedures Req.	
9,100.00	9,015.44	9,087.59	9,015.44	26.76	23.40	-90.00	695.98	482.92	70.00	32.87	37.13	1.885 Collision Risk Procedures Req.	
9,200.00	9,115.44	9,187.59	9,115.44	26.81	23.46	-90.00	695.98	482.92	70.00	32.73	37.27	1.878 Collision Risk Procedures Req.	
9,300.00	9,215.44	9,287.59	9,215.44	26.85	23.52	-90.00	695.98	482.92	70.00	32.60	37.40	1.871 Collision Risk Procedures Req.	
9,400.00	9,315.44	9,387.59	9,315.44	26.90	23.57	-90.00	695.98	482.92	70.00	32.46	37.54	1.865 Collision Risk Procedures Req.	
9,500.00	9,415.44	9,487.59	9,415.44	26.95	23.63	-90.00	695.98	482.92	70.00	32.33	37.67	1.858 Collision Risk Procedures Req.	
9,600.00	9,515.44	9,587.59	9,515.44	27.00	23.69	-90.00	695.98	482.92	70.00	32.19	37.81	1.851 Collision Risk Procedures Req.	
9,700.00	9,615.44	9,687.59	9,615.44	27.04	23.74	-90.00	695.98	482.92	70.00	32.06	37.94	1.845 Collision Risk Procedures Req.	
9,780.30	9,695.74	9,767.89	9,695.74	27.08	23.76	-90.25	695.67	482.92	70.00	31.90	38.09	1.837 Collision Risk Procedures Req.	
9,800.00	9,715.44	9,787.55	9,715.38	27.09	23.75	-91.05	694.70	482.93	70.01	31.68	38.33	1.827 Collision Risk Procedures Req.	
9,900.00	9,815.44	9,885.06	9,811.64	27.14	23.74	-102.91	679.95	482.99	71.85	30.29	41.55	1.729 Collision Risk Procedures Req., SF	
10,000.00	9,915.44	9,975.21	9,897.25	27.19	23.68	-122.23	651.97	483.11	84.50	39.01	45.49	1.858 Collision Risk Procedures Req.	

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 801H
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 801H	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
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	
10,100.00	10,015.44	10,054.99	9,968.53	27.24	23.60	-138.85	616.29	483.27	115.77	69.74	46.03	2.515	
10,200.00	10,115.44	10,123.55	10,025.33	27.28	23.52	-149.51	577.97	483.44	163.94	119.27	44.67	3.670	
10,300.00	10,215.44	10,181.53	10,069.51	27.33	23.45	-155.98	540.46	483.60	224.25	180.94	43.32	5.177	
10,400.00	10,315.44	10,230.26	10,103.55	27.38	23.38	-160.03	505.61	483.75	293.13	250.72	42.41	6.912	
10,500.00	10,415.44	10,271.24	10,129.80	27.43	23.33	-162.72	474.15	483.89	368.19	326.28	41.92	8.784	
10,600.00	10,515.44	10,300.00	10,146.85	27.48	23.29	-164.29	450.99	483.99	447.92	406.28	41.64	10.758	
10,700.00	10,615.44	10,335.25	10,166.12	27.53	23.25	-165.93	421.48	484.12	531.01	489.28	41.73	12.724	
10,800.00	10,715.44	10,350.00	10,173.64	27.58	23.23	-166.54	408.80	484.18	617.05	575.24	41.81	14.760	
10,900.00	10,815.44	10,382.15	10,188.89	27.63	23.19	-167.73	380.50	484.30	704.85	662.72	42.13	16.732	
11,000.00	10,915.44	10,400.00	10,196.66	27.68	23.17	-168.32	364.43	484.37	794.53	752.10	42.43	18.726	
11,100.00	11,015.44	10,417.54	10,203.81	27.73	23.15	-168.85	348.41	484.44	885.58	842.79	42.78	20.699	
11,200.00	11,115.44	10,432.10	10,209.36	27.78	23.14	-169.27	334.95	484.50	977.75	934.59	43.16	22.653	
11,300.00	11,215.44	10,450.00	10,215.72	27.83	23.12	-169.74	318.22	484.58	1,070.89	1,027.32	43.57	24.577	
11,400.00	11,315.44	10,450.00	10,215.72	27.88	23.12	-169.74	318.22	484.58	1,164.80	1,120.84	43.95	26.501	
11,500.00	11,415.41	10,467.24	10,221.35	27.87	23.10	3.71	301.93	484.65	1,258.85	1,214.46	44.38	28.362	
11,600.00	11,514.10	10,480.77	10,225.42	27.76	23.09	2.45	289.03	484.70	1,348.16	1,303.30	44.86	30.051	
11,700.00	11,608.62	10,500.00	10,230.68	27.61	23.08	1.76	270.53	484.78	1,429.93	1,384.51	45.42	31.483	
11,800.00	11,696.11	10,500.00	10,230.68	27.44	23.08	1.46	270.53	484.78	1,503.02	1,457.02	46.00	32.673	
11,900.00	11,773.90	10,550.00	10,241.43	27.26	23.05	1.02	221.72	485.00	1,565.45	1,518.69	46.77	33.473	
12,000.00	11,839.63	10,550.00	10,241.43	27.11	23.05	0.92	221.72	485.00	1,616.83	1,569.33	47.50	34.039	
12,100.00	11,891.31	10,600.00	10,247.89	26.99	23.03	0.66	172.15	485.22	1,656.57	1,608.16	48.41	34.222	
12,200.00	11,927.36	10,600.00	10,247.89	26.93	23.03	0.63	172.15	485.22	1,683.46	1,634.19	49.27	34.168	
12,300.00	11,946.69	10,649.19	10,250.00	26.94	23.03	0.45	123.03	485.43	1,698.00	1,647.72	50.28	33.769	
12,400.00	11,950.00	10,684.95	10,250.00	27.04	23.04	0.34	87.27	485.59	1,700.03	1,648.96	51.07	33.289	
12,500.00	11,950.00	10,784.71	10,250.00	27.20	23.06	0.11	-12.50	486.02	1,700.00	1,648.38	51.62	32.931	
12,596.53	11,950.00	10,881.18	10,250.00	27.41	23.09	0.00	-108.96	486.45	1,700.00	1,647.82	52.18	32.579	
12,600.00	11,950.00	10,884.65	10,250.00	27.41	23.09	0.00	-112.44	486.46	1,700.00	1,647.80	52.20	32.566	
12,600.09	11,950.00	10,884.74	10,250.00	27.41	23.09	0.00	-112.52	486.46	1,700.00	1,647.80	52.20	32.566	
12,700.00	11,950.00	10,984.65	10,250.00	27.64	23.12	-0.01	-212.44	486.90	1,700.00	1,647.20	52.80	32.194	
12,800.00	11,950.00	11,084.65	10,250.00	27.90	23.16	-0.01	-312.43	487.34	1,700.00	1,646.55	53.45	31.806	
12,900.00	11,950.00	11,184.65	10,250.00	28.21	23.20	-0.01	-412.43	487.78	1,700.00	1,645.87	54.13	31.404	
13,000.00	11,950.00	11,284.65	10,250.00	28.56	23.25	-0.01	-512.43	488.21	1,700.00	1,645.14	54.86	30.991	
13,100.00	11,950.00	11,384.65	10,250.00	28.96	23.30	-0.01	-612.43	488.65	1,700.00	1,644.39	55.61	30.569	
13,200.00	11,950.00	11,484.65	10,250.00	29.41	23.36	-0.01	-712.43	489.09	1,700.00	1,643.60	56.40	30.141	
13,300.00	11,950.00	11,584.65	10,250.00	29.92	23.43	-0.01	-812.43	489.53	1,700.00	1,642.78	57.22	29.708	
13,400.00	11,950.00	11,684.65	10,250.00	30.49	23.50	-0.01	-912.43	489.97	1,700.00	1,641.92	58.08	29.271	
13,500.00	11,950.00	11,784.65	10,250.00	31.11	23.59	-0.01	-1,012.43	490.41	1,700.00	1,641.04	58.96	28.833	
13,600.00	11,950.00	11,884.65	10,250.00	31.80	23.68	-0.01	-1,112.43	490.84	1,700.00	1,640.13	59.87	28.394	
13,700.00	11,950.00	11,984.65	10,250.00	32.54	23.79	-0.01	-1,212.43	491.28	1,700.00	1,639.19	60.81	27.957	
13,800.00	11,950.00	12,084.65	10,250.00	33.34	23.91	-0.01	-1,312.42	491.72	1,700.00	1,638.23	61.77	27.521	
13,900.00	11,950.00	12,184.65	10,250.00	34.19	24.05	-0.01	-1,412.42	492.16	1,700.00	1,637.24	62.76	27.087	
14,000.00	11,950.00	12,284.65	10,250.00	35.09	24.20	-0.01	-1,512.42	492.60	1,700.00	1,636.23	63.77	26.658	
14,100.00	11,950.00	12,384.65	10,250.00	36.03	24.38	-0.01	-1,612.42	493.03	1,700.00	1,635.20	64.80	26.233	
14,200.00	11,950.00	12,484.65	10,250.00	37.02	24.58	-0.01	-1,712.42	493.47	1,700.00	1,634.14	65.86	25.813	
14,300.00	11,950.00	12,584.65	10,250.00	38.04	24.80	-0.01	-1,812.42	493.91	1,700.00	1,633.07	66.93	25.399	
14,400.00	11,950.00	12,684.65	10,250.00	39.10	25.05	-0.01	-1,912.42	494.35	1,700.00	1,631.97	68.03	24.990	
14,500.00	11,950.00	12,784.65	10,250.00	40.19	25.33	-0.01	-2,012.42	494.79	1,700.00	1,630.86	69.14	24.588	
14,600.00	11,950.00	12,884.65	10,250.00	41.31	25.65	-0.01	-2,112.42	495.23	1,700.00	1,629.73	70.27	24.193	
14,700.00	11,950.00	12,984.65	10,250.00	42.45	25.99	-0.01	-2,212.42	495.66	1,700.00	1,628.59	71.41	23.805	
14,800.00	11,950.00	13,084.65	10,250.00	43.61	26.37	-0.01	-2,312.42	496.10	1,700.00	1,627.43	72.57	23.424	
14,900.00	11,950.00	13,184.65	10,250.00	44.79	26.79	-0.01	-2,412.41	496.54	1,700.00	1,626.25	73.75	23.050	
15,000.00	11,950.00	13,284.65	10,250.00	46.00	27.23	-0.01	-2,512.41	496.98	1,700.00	1,625.06	74.94	22.684	

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 801H
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 801H	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	
15,100.00	11,950.00	13,384.65	10,250.00	47.22	27.70	-0.01	-2,612.41	497.42	1,700.00	1,623.85	76.15	22.325	
15,200.00	11,950.00	13,484.65	10,250.00	48.45	28.20	-0.01	-2,712.41	497.85	1,700.00	1,622.64	77.36	21.974	
15,300.00	11,950.00	13,584.65	10,250.00	49.70	28.72	-0.01	-2,812.41	498.29	1,700.00	1,621.41	78.59	21.630	
15,400.00	11,950.00	13,684.65	10,250.00	50.96	29.26	-0.01	-2,912.41	498.73	1,700.00	1,620.16	79.84	21.294	
15,500.00	11,950.00	13,784.65	10,250.00	52.23	29.82	-0.01	-3,012.41	499.17	1,700.00	1,618.91	81.09	20.964	
15,600.00	11,950.00	13,884.65	10,250.00	53.51	30.40	-0.01	-3,112.41	499.61	1,700.00	1,617.65	82.35	20.643	
15,700.00	11,950.00	13,984.65	10,250.00	54.81	31.00	-0.01	-3,212.41	500.04	1,700.00	1,616.37	83.63	20.328	
15,800.00	11,950.00	14,084.65	10,250.00	56.11	31.60	-0.01	-3,312.41	500.48	1,700.00	1,615.09	84.91	20.021	
15,900.00	11,950.00	14,184.65	10,250.00	57.42	32.22	-0.01	-3,412.40	500.92	1,700.00	1,613.79	86.21	19.720	
16,000.00	11,950.00	14,284.65	10,250.00	58.73	32.85	-0.01	-3,512.40	501.36	1,700.00	1,612.49	87.51	19.427	
16,100.00	11,950.00	14,384.65	10,250.00	60.06	33.48	-0.01	-3,612.40	501.80	1,700.00	1,611.18	88.82	19.140	
16,200.00	11,950.00	14,484.65	10,250.00	61.39	34.13	-0.01	-3,712.40	502.24	1,700.00	1,609.86	90.14	18.860	
16,300.00	11,950.00	14,584.65	10,250.00	62.72	34.78	-0.01	-3,812.40	502.67	1,700.00	1,608.53	91.47	18.586	
16,400.00	11,950.00	14,684.65	10,250.00	64.07	35.44	-0.01	-3,912.40	503.11	1,700.00	1,607.20	92.80	18.319	
16,500.00	11,950.00	14,784.65	10,250.00	65.41	36.11	-0.01	-4,012.40	503.55	1,700.00	1,605.86	94.14	18.058	
16,600.00	11,950.00	14,884.65	10,250.00	66.77	36.78	-0.01	-4,112.40	503.99	1,700.00	1,604.51	95.49	17.803	
16,700.00	11,950.00	14,984.65	10,250.00	68.12	37.46	-0.01	-4,212.40	504.43	1,700.00	1,603.15	96.85	17.554	
16,800.00	11,950.00	15,084.65	10,250.00	69.48	38.14	-0.01	-4,312.40	504.86	1,700.00	1,601.79	98.21	17.310	
16,900.00	11,950.00	15,184.65	10,250.00	70.85	38.83	-0.01	-4,412.40	505.30	1,700.00	1,600.42	99.58	17.073	
17,000.00	11,950.00	15,284.65	10,250.00	72.21	39.52	-0.01	-4,512.39	505.74	1,700.00	1,599.05	100.95	16.840	
17,100.00	11,950.00	15,384.65	10,250.00	73.59	40.21	-0.01	-4,612.39	506.18	1,700.00	1,597.67	102.33	16.613	
17,200.00	11,950.00	15,484.65	10,250.00	74.96	40.91	-0.01	-4,712.39	506.62	1,700.00	1,596.29	103.71	16.391	
17,300.00	11,950.00	15,584.65	10,250.00	76.34	41.61	-0.01	-4,812.39	507.06	1,700.00	1,594.90	105.10	16.175	
17,400.00	11,950.00	15,684.65	10,250.00	77.72	42.31	-0.01	-4,912.39	507.49	1,700.00	1,593.50	106.50	15.963	
17,500.00	11,950.00	15,784.65	10,250.00	79.10	43.02	-0.01	-5,012.39	507.93	1,700.00	1,592.10	107.90	15.756	
17,600.00	11,950.00	15,884.65	10,250.00	80.49	43.73	-0.01	-5,112.39	508.37	1,700.00	1,590.70	109.30	15.553	
17,700.00	11,950.00	15,984.65	10,250.00	81.88	44.44	-0.01	-5,212.39	508.81	1,700.00	1,589.29	110.71	15.356	
17,800.00	11,950.00	16,084.65	10,250.00	83.27	45.15	-0.01	-5,312.39	509.25	1,700.00	1,587.88	112.12	15.162	
17,900.00	11,950.00	16,184.65	10,250.00	84.66	45.87	-0.01	-5,412.39	509.68	1,700.00	1,586.46	113.54	14.973	
18,000.00	11,950.00	16,284.65	10,250.00	86.05	46.59	-0.01	-5,512.38	510.12	1,700.00	1,585.04	114.96	14.788	
18,100.00	11,950.00	16,384.65	10,250.00	87.45	47.31	-0.01	-5,612.38	510.56	1,700.00	1,583.62	116.38	14.607	
18,200.00	11,950.00	16,484.65	10,250.00	88.85	48.03	-0.01	-5,712.38	511.00	1,700.00	1,582.19	117.81	14.430	
18,300.00	11,950.00	16,584.65	10,250.00	90.25	48.75	-0.01	-5,812.38	511.44	1,700.00	1,580.76	119.24	14.256	
18,400.00	11,950.00	16,684.65	10,250.00	91.65	49.48	-0.01	-5,912.38	511.87	1,700.00	1,579.32	120.68	14.087	
18,500.00	11,950.00	16,784.65	10,250.00	93.06	50.20	0.00	-6,012.38	512.31	1,700.00	1,577.88	122.12	13.921	
18,575.08	11,950.00	16,859.73	10,250.00	94.11	50.75	0.00	-6,087.46	512.64	1,700.00	1,576.80	123.20	13.799	
18,600.00	11,950.00	16,884.65	10,250.00	94.46	50.93	0.00	-6,112.38	512.75	1,700.00	1,576.44	123.56	13.759	
18,700.00	11,950.00	16,984.65	10,250.00	95.87	51.66	0.00	-6,212.38	513.19	1,700.00	1,575.00	125.00	13.600	
18,800.00	11,950.00	17,084.65	10,250.00	97.27	52.39	0.00	-6,312.38	513.63	1,700.00	1,573.55	126.45	13.444	
18,900.00	11,950.00	17,184.65	10,250.00	98.68	53.12	0.00	-6,412.38	514.07	1,700.00	1,572.10	127.90	13.291	
19,000.00	11,950.00	17,284.65	10,250.00	100.09	53.86	0.00	-6,512.37	514.50	1,700.00	1,570.64	129.36	13.142	
19,100.00	11,950.00	17,384.65	10,250.00	101.51	54.59	0.00	-6,612.37	514.94	1,700.00	1,569.19	130.81	12.996	
19,200.00	11,950.00	17,484.65	10,250.00	102.92	55.33	0.00	-6,712.37	515.38	1,700.00	1,567.73	132.27	12.852	
19,300.00	11,950.00	17,584.65	10,250.00	104.33	56.06	0.00	-6,812.37	515.82	1,700.00	1,566.27	133.73	12.712	
19,400.00	11,950.00	17,684.65	10,250.00	105.75	56.80	0.00	-6,912.37	516.26	1,700.00	1,564.80	135.20	12.574	
19,500.00	11,950.00	17,784.65	10,250.00	107.16	57.54	0.00	-7,012.37	516.69	1,700.00	1,563.34	136.66	12.440	
19,600.00	11,950.00	17,884.65	10,250.00	108.58	58.28	0.00	-7,112.37	517.13	1,700.00	1,561.87	138.13	12.307	
19,700.00	11,950.00	17,984.65	10,250.00	110.00	59.02	0.00	-7,212.37	517.57	1,700.00	1,560.40	139.60	12.178	
19,800.00	11,950.00	18,084.65	10,250.00	111.42	59.76	0.00	-7,312.37	518.01	1,700.00	1,558.93	141.07	12.051	
19,900.00	11,950.00	18,184.65	10,250.00	112.84	60.50	0.00	-7,412.37	518.45	1,700.00	1,557.45	142.55	11.926	
20,000.00	11,950.00	18,284.65	10,250.00	114.26	61.24	0.00	-7,512.37	518.89	1,700.00	1,555.98	144.02	11.804	
20,100.00	11,950.00	18,384.65	10,250.00	115.68	61.99	0.00	-7,612.36	519.32	1,700.00	1,554.50	145.50	11.684	

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 801H
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 801H	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)			
20,200.00	11,950.00	18,484.65	10,250.00	117.10	62.73	0.00	-7,712.36	519.76	1,700.00	1,553.02	146.98	11.566	
20,300.00	11,950.00	18,584.65	10,250.00	118.52	63.47	0.00	-7,812.36	520.20	1,700.00	1,551.54	148.46	11.451	
20,400.00	11,950.00	18,684.65	10,250.00	119.94	64.22	0.00	-7,912.36	520.64	1,700.00	1,550.05	149.95	11.337	
20,500.00	11,950.00	18,784.65	10,250.00	121.37	64.97	0.00	-8,012.36	521.08	1,700.00	1,548.57	151.43	11.226	
20,600.00	11,950.00	18,884.65	10,250.00	122.79	65.71	0.00	-8,112.36	521.51	1,700.00	1,547.08	152.92	11.117	
20,700.00	11,950.00	18,984.65	10,250.00	124.22	66.46	0.00	-8,212.36	521.95	1,700.00	1,545.59	154.41	11.010	
20,800.00	11,950.00	19,084.65	10,250.00	125.64	67.21	0.00	-8,312.36	522.39	1,700.00	1,544.10	155.90	10.904	
20,900.00	11,950.00	19,184.65	10,250.00	127.07	67.95	0.00	-8,412.36	522.83	1,700.00	1,542.61	157.39	10.801	
21,000.00	11,950.00	19,284.65	10,250.00	128.50	68.70	0.00	-8,512.36	523.27	1,700.00	1,541.11	158.89	10.700	
21,100.00	11,950.00	19,384.65	10,250.00	129.92	69.45	0.00	-8,612.35	523.70	1,700.00	1,539.62	160.38	10.600	
21,200.00	11,950.00	19,484.65	10,250.00	131.35	70.20	0.00	-8,712.35	524.14	1,700.00	1,538.12	161.88	10.502	
21,300.00	11,950.00	19,584.65	10,250.00	132.78	70.95	0.00	-8,812.35	524.58	1,700.00	1,536.62	163.38	10.406	
21,400.00	11,950.00	19,684.65	10,250.00	134.21	71.70	0.00	-8,912.35	525.02	1,700.00	1,535.13	164.87	10.311	
21,500.00	11,950.00	19,784.65	10,250.00	135.64	72.45	0.00	-9,012.35	525.46	1,700.00	1,533.63	166.37	10.218	
21,600.00	11,950.00	19,884.65	10,250.00	137.07	73.20	0.00	-9,112.35	525.90	1,700.00	1,532.12	167.88	10.127	
21,700.00	11,950.00	19,984.65	10,250.00	138.50	73.95	0.00	-9,212.35	526.33	1,700.00	1,530.62	169.38	10.037	
21,800.00	11,950.00	20,084.65	10,250.00	139.93	74.71	0.00	-9,312.35	526.77	1,700.00	1,529.12	170.88	9.948	
21,900.00	11,950.00	20,184.65	10,250.00	141.36	75.46	0.00	-9,412.35	527.21	1,700.00	1,527.61	172.39	9.861	
22,000.00	11,950.00	20,284.65	10,250.00	142.79	76.21	0.00	-9,512.35	527.65	1,700.00	1,526.11	173.89	9.776	
22,100.00	11,950.00	20,384.65	10,250.00	144.23	76.97	0.00	-9,612.35	528.09	1,700.00	1,524.60	175.40	9.692	
22,200.00	11,950.00	20,484.65	10,250.00	145.66	77.72	0.00	-9,712.34	528.52	1,700.00	1,523.09	176.91	9.609	
22,300.00	11,950.00	20,584.65	10,250.00	147.09	78.47	0.00	-9,812.34	528.96	1,700.00	1,521.58	178.42	9.528	
22,400.00	11,950.00	20,684.65	10,250.00	148.52	79.23	0.00	-9,912.34	529.40	1,700.00	1,520.07	179.93	9.448	
22,500.00	11,950.00	20,784.65	10,250.00	149.96	79.98	0.00	-10,012.34	529.84	1,700.00	1,518.56	181.44	9.369	
22,600.00	11,950.00	20,884.65	10,250.00	151.39	80.74	0.00	-10,112.34	530.28	1,700.00	1,517.04	182.96	9.292	
22,700.00	11,950.00	20,984.65	10,250.00	152.83	81.49	0.00	-10,212.34	530.72	1,700.00	1,515.53	184.47	9.216	
22,800.00	11,950.00	21,084.65	10,250.00	154.26	82.25	0.00	-10,312.34	531.15	1,700.00	1,514.02	185.98	9.141	
22,802.13	11,950.00	21,086.78	10,250.00	154.29	82.26	0.00	-10,314.47	531.16	1,700.00	1,513.98	186.02	9.139	
22,820.31	11,950.00	21,104.97	10,250.00	154.55	82.40	0.00	-10,332.65	531.24	1,700.00	1,513.71	186.29	9.126	



Anticollision Report



E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
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 801H	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
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
0.00	0.00	0.00	0.00	0.50	0.50	85.24	20.00	240.00	240.83				
100.00	100.00	100.00	100.00	0.66	0.66	85.24	20.00	240.00	240.83	239.51	1.32	182.839	
200.00	200.00	200.00	200.00	1.35	1.35	85.24	20.00	240.00	240.83	238.13	2.70	89.289	
300.00	300.00	300.00	300.00	1.82	1.82	85.24	20.00	240.00	240.83	237.20	3.63	66.269	
400.00	400.00	400.00	400.00	2.19	2.19	85.24	20.00	240.00	240.83	236.45	4.38	54.973	
500.00	500.00	500.00	500.00	2.51	2.51	85.24	20.00	240.00	240.83	235.81	5.02	47.945	
600.00	600.00	600.00	600.00	2.80	2.80	85.24	20.00	240.00	240.83	235.24	5.60	43.031	
700.00	700.00	700.00	700.00	3.06	3.06	85.24	20.00	240.00	240.83	234.71	6.12	39.345	
800.00	800.00	800.00	800.00	3.30	3.30	85.24	20.00	240.00	240.83	234.22	6.61	36.445	
900.00	900.00	900.00	900.00	3.53	3.53	85.24	20.00	240.00	240.83	233.77	7.07	34.087	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	85.24	20.00	240.00	240.83	233.33	7.50	32.119	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	85.24	20.00	240.00	240.83	232.92	7.91	30.444	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	85.24	20.00	240.00	240.83	232.53	8.31	28.995 CC, ES	
1,300.00	1,300.00	1,296.81	1,296.79	4.34	4.53	84.88	21.56	240.51	241.49	232.79	8.70	27.751	
1,400.00	1,400.00	1,393.41	1,393.26	4.53	5.20	83.82	26.21	242.02	243.52	234.37	9.15	26.611	
1,500.00	1,500.00	1,489.56	1,489.07	4.70	5.83	82.11	33.91	244.52	247.10	237.49	9.61	25.708	
1,600.00	1,599.98	1,585.25	1,584.09	5.04	6.41	41.54	44.60	247.99	251.17	241.00	10.16	24.715	
1,700.00	1,699.84	1,680.60	1,678.35	5.69	6.97	39.38	58.25	252.43	254.55	243.59	10.96	23.234	
1,800.00	1,799.45	1,773.34	1,769.67	6.29	7.34	37.47	73.31	258.30	257.65	245.88	11.77	21.895	
1,900.00	1,898.70	1,865.68	1,860.44	6.86	7.61	36.31	87.75	267.02	261.05	248.47	12.58	20.757	
2,000.00	1,997.47	1,958.09	1,951.07	7.41	7.89	35.89	101.55	278.64	264.56	251.23	13.34	19.838	
2,100.00	2,095.66	2,050.40	2,041.29	7.70	8.22	36.18	114.69	293.14	268.26	254.41	13.85	19.369	
2,200.00	2,193.71	2,142.42	2,130.80	7.93	8.57	36.85	127.11	310.45	274.20	259.86	14.34	19.120	
2,300.00	2,291.75	2,233.93	2,219.32	8.20	8.92	37.76	138.80	330.47	283.06	268.19	14.87	19.036 SF	
2,400.00	2,389.80	2,324.77	2,306.61	8.48	9.25	38.85	149.72	353.09	294.86	279.45	15.41	19.133	
2,500.00	2,487.85	2,416.71	2,394.30	8.77	9.56	40.09	160.10	378.67	309.58	293.64	15.93	19.428	
2,600.00	2,585.89	2,515.21	2,488.03	9.09	9.82	41.36	170.99	406.95	325.32	308.88	16.44	19.786	
2,700.00	2,683.94	2,613.72	2,581.76	9.41	10.11	42.52	181.89	435.23	341.20	324.21	16.99	20.085	
2,800.00	2,781.99	2,712.23	2,675.49	9.75	10.41	43.57	192.79	463.51	357.20	339.65	17.56	20.346	
2,900.00	2,880.03	2,810.73	2,769.22	10.09	10.74	44.53	203.68	491.79	373.32	355.17	18.15	20.574	
3,000.00	2,978.08	2,909.24	2,862.95	10.45	11.08	45.41	214.58	520.07	389.53	370.77	18.75	20.773	
3,100.00	3,076.13	3,007.75	2,956.68	10.81	11.43	46.23	225.48	548.35	405.82	386.44	19.37	20.948	
3,200.00	3,174.17	3,106.25	3,050.41	11.19	11.80	46.98	236.37	576.63	422.18	402.17	20.01	21.102	
3,300.00	3,272.22	3,204.76	3,144.14	11.57	12.17	47.67	247.27	604.91	438.61	417.96	20.65	21.237	
3,400.00	3,370.27	3,303.27	3,237.86	11.95	12.56	48.31	258.17	633.19	455.10	433.79	21.31	21.356	
3,500.00	3,468.31	3,401.78	3,331.59	12.34	12.96	48.91	269.06	661.47	471.64	449.66	21.98	21.461	
3,600.00	3,566.36	3,500.28	3,425.32	12.74	13.37	49.47	279.96	689.75	488.22	465.57	22.65	21.554	
3,700.00	3,664.41	3,598.79	3,519.05	13.14	13.78	49.99	290.86	718.04	504.85	481.52	23.33	21.637	
3,800.00	3,762.45	3,697.30	3,612.78	13.55	14.20	50.48	301.76	746.32	521.52	497.50	24.02	21.710	
3,900.00	3,860.50	3,795.80	3,706.51	13.96	14.63	50.94	312.65	774.60	538.22	513.50	24.72	21.776	
4,000.00	3,958.55	3,894.31	3,800.24	14.37	15.06	51.37	323.55	802.88	554.95	529.53	25.42	21.835	
4,100.00	4,056.59	3,992.82	3,893.97	14.79	15.50	51.77	334.45	831.16	571.71	545.59	26.12	21.887	
4,200.00	4,154.64	4,091.32	3,987.70	15.21	15.94	52.15	345.34	859.44	588.50	561.67	26.83	21.934	
4,300.00	4,252.69	4,189.83	4,081.42	15.64	16.39	52.51	356.24	887.72	605.31	577.77	27.54	21.976	
4,400.00	4,350.73	4,288.34	4,175.15	16.06	16.84	52.86	367.14	916.00	622.14	593.88	28.26	22.014	
4,500.00	4,448.78	4,386.85	4,268.88	16.49	17.29	53.18	378.03	944.28	639.00	610.02	28.98	22.048	
4,600.00	4,546.83	4,485.35	4,362.61	16.92	17.75	53.49	388.93	972.56	655.87	626.16	29.71	22.079	
4,700.00	4,644.87	4,583.86	4,456.34	17.35	18.21	53.78	399.83	1,000.84	672.76	642.33	30.43	22.107	
4,800.00	4,742.92	4,682.37	4,550.07	17.79	18.67	54.06	410.72	1,029.12	689.67	658.51	31.16	22.132	
4,900.00	4,840.97	4,780.87	4,643.80	18.22	19.14	54.32	421.62	1,057.40	706.59	674.70	31.89	22.155	
5,000.00	4,939.01	4,879.38	4,737.53	18.66	19.61	54.57	432.52	1,085.68	723.52	690.90	32.63	22.176	
5,100.00	5,037.06	4,977.89	4,831.26	19.10	20.08	54.81	443.41	1,113.96	740.47	707.11	33.36	22.195	

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 801H
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 801H	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
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	
5,200.00	5,135.11	5,076.39	4,924.98	19.54	20.55	55.04	454.31	1,142.24	757.43	723.33	34.10	22.212	
5,300.00	5,233.15	5,174.90	5,018.71	19.98	21.02	55.26	465.21	1,170.52	774.40	739.56	34.84	22.228	
5,400.00	5,331.20	5,273.41	5,112.44	20.43	21.50	55.47	476.10	1,198.80	791.38	755.80	35.58	22.242	
5,500.00	5,429.25	5,371.91	5,206.17	20.87	21.97	55.67	487.00	1,227.08	808.38	772.05	36.32	22.255	
5,600.00	5,527.29	5,470.42	5,299.90	21.32	22.45	55.86	497.90	1,255.36	825.38	788.31	37.07	22.266	
5,700.00	5,625.34	5,568.93	5,393.63	21.76	22.93	56.05	508.79	1,283.64	842.39	804.57	37.81	22.277	
5,800.00	5,723.39	5,667.44	5,487.36	22.21	23.41	56.23	519.69	1,311.92	859.41	820.84	38.56	22.287	
5,900.00	5,821.43	5,765.94	5,581.09	22.66	23.90	56.40	530.59	1,340.20	876.43	837.12	39.31	22.296	
6,000.00	5,919.48	5,864.45	5,674.82	23.11	24.38	56.56	541.48	1,368.48	893.46	853.41	40.06	22.304	
6,100.00	6,017.75	5,962.86	5,768.45	23.55	24.86	56.91	552.37	1,396.73	911.15	870.34	40.81	22.329	
6,200.00	6,116.60	6,060.92	5,861.75	24.06	25.35	57.15	563.22	1,424.89	930.68	889.06	41.62	22.361	
6,300.00	6,215.91	6,158.50	5,954.61	24.57	25.83	57.25	574.01	1,452.90	952.07	909.61	42.46	22.421	
6,400.00	6,315.57	6,255.50	6,046.90	25.04	26.31	57.23	584.74	1,480.75	975.34	932.01	43.32	22.513	
6,500.00	6,415.45	6,351.78	6,138.51	25.46	26.79	57.08	595.39	1,508.39	1,000.51	956.32	44.19	22.639	
6,600.00	6,515.44	6,447.25	6,229.35	25.65	27.26	95.23	605.95	1,535.80	1,027.62	982.64	44.98	22.846	
6,700.00	6,615.44	6,542.40	6,319.88	25.69	27.73	94.50	616.48	1,563.11	1,055.54	1,009.82	45.73	23.084	
6,800.00	6,715.44	6,637.55	6,410.42	25.73	28.21	93.80	627.00	1,590.43	1,083.62	1,037.15	46.47	23.320	
6,900.00	6,815.44	6,732.70	6,500.95	25.77	28.68	93.14	637.53	1,617.75	1,111.83	1,064.63	47.20	23.556	
7,000.00	6,915.44	6,827.85	6,591.49	25.82	29.15	92.51	648.06	1,645.06	1,140.18	1,092.26	47.92	23.793	
7,100.00	7,015.44	6,963.50	6,721.15	25.86	29.84	91.70	662.37	1,682.22	1,167.50	1,118.59	48.91	23.871	
7,200.00	7,115.44	7,120.42	6,873.25	25.90	30.70	90.97	676.22	1,718.15	1,190.30	1,140.34	49.95	23.828	
7,300.00	7,215.44	7,281.29	7,031.13	25.95	31.55	90.42	687.28	1,746.86	1,208.12	1,157.31	50.81	23.777	
7,400.00	7,315.44	7,445.20	7,193.51	25.99	32.36	90.03	695.26	1,767.57	1,220.75	1,169.31	51.45	23.728	
7,500.00	7,415.44	7,611.16	7,358.94	26.03	33.09	89.82	699.92	1,779.67	1,228.05	1,176.22	51.83	23.693	
7,600.00	7,515.44	7,767.72	7,515.44	26.08	33.50	89.76	701.17	1,782.91	1,230.00	1,178.17	51.84	23.729	
7,700.00	7,615.44	7,867.72	7,615.44	26.12	33.53	89.76	701.17	1,782.91	1,230.00	1,178.09	51.91	23.694	
7,800.00	7,715.44	7,967.72	7,715.44	26.17	33.56	89.76	701.17	1,782.91	1,230.00	1,178.01	51.99	23.656	
7,900.00	7,815.44	8,067.72	7,815.44	26.21	33.59	89.76	701.17	1,782.91	1,230.00	1,177.92	52.08	23.618	
8,000.00	7,915.44	8,167.72	7,915.44	26.26	33.62	89.76	701.17	1,782.91	1,230.00	1,177.84	52.16	23.581	
8,100.00	8,015.44	8,267.72	8,015.44	26.30	33.65	89.76	701.17	1,782.91	1,230.00	1,177.75	52.25	23.542	
8,200.00	8,115.44	8,367.72	8,115.44	26.35	33.68	89.76	701.17	1,782.91	1,230.00	1,177.67	52.33	23.504	
8,300.00	8,215.44	8,467.72	8,215.44	26.39	33.71	89.76	701.17	1,782.91	1,230.00	1,177.59	52.42	23.466	
8,400.00	8,315.44	8,567.72	8,315.44	26.44	33.74	89.76	701.17	1,782.91	1,230.00	1,177.50	52.50	23.428	
8,500.00	8,415.44	8,667.72	8,415.44	26.48	33.77	89.76	701.17	1,782.91	1,230.00	1,177.41	52.59	23.390	
8,600.00	8,515.44	8,767.72	8,515.44	26.53	33.80	89.76	701.17	1,782.91	1,230.00	1,177.33	52.67	23.352	
8,700.00	8,615.44	8,867.72	8,615.44	26.57	33.83	89.76	701.17	1,782.91	1,230.00	1,177.24	52.76	23.313	
8,800.00	8,715.44	8,967.72	8,715.44	26.62	33.87	89.76	701.17	1,782.91	1,230.00	1,177.16	52.85	23.275	
8,900.00	8,815.44	9,067.72	8,815.44	26.67	33.90	89.76	701.17	1,782.91	1,230.00	1,177.07	52.93	23.237	
9,000.00	8,915.44	9,167.72	8,915.44	26.71	33.93	89.76	701.17	1,782.91	1,230.00	1,176.98	53.02	23.199	
9,100.00	9,015.44	9,267.72	9,015.44	26.76	33.96	89.76	701.17	1,782.91	1,230.00	1,176.89	53.11	23.160	
9,200.00	9,115.44	9,367.72	9,115.44	26.81	33.99	89.76	701.17	1,782.91	1,230.00	1,176.80	53.20	23.122	
9,300.00	9,215.44	9,467.72	9,215.44	26.85	34.03	89.76	701.17	1,782.91	1,230.00	1,176.72	53.29	23.083	
9,400.00	9,315.44	9,567.72	9,315.44	26.90	34.06	89.76	701.17	1,782.91	1,230.00	1,176.63	53.37	23.045	
9,500.00	9,415.44	9,667.72	9,415.44	26.95	34.09	89.76	701.17	1,782.91	1,230.00	1,176.54	53.46	23.007	
9,600.00	9,515.44	9,767.72	9,515.44	27.00	34.12	89.76	701.17	1,782.91	1,230.00	1,176.45	53.55	22.968	
9,700.00	9,615.44	9,867.72	9,615.44	27.04	34.16	89.76	701.17	1,782.91	1,230.00	1,176.36	53.64	22.930	
9,706.36	9,621.80	9,874.08	9,621.80	27.05	34.16	89.76	701.17	1,782.91	1,230.00	1,176.35	53.65	22.927	
9,800.00	9,715.44	9,965.24	9,712.93	27.09	34.14	89.81	700.05	1,782.95	1,230.04	1,176.32	53.72	22.898	
9,900.00	9,815.44	10,056.79	9,803.47	27.14	34.03	90.42	687.06	1,783.42	1,230.59	1,176.94	53.65	22.938	
10,000.00	9,915.44	10,142.22	9,885.08	27.19	33.91	91.58	662.09	1,784.31	1,232.23	1,178.77	53.46	23.049	
10,100.00	10,015.44	10,218.81	9,954.37	27.24	33.78	93.08	629.62	1,785.47	1,235.85	1,182.60	53.25	23.210	
10,200.00	10,115.44	10,285.58	10,010.78	27.28	33.68	94.72	594.00	1,786.75	1,242.45	1,189.39	53.06	23.415	

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 801H
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 801H	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)			
10,300.00	10,215.44	10,350.00	10,060.93	27.33	33.58	96.57	553.64	1,788.19	1,253.01	1,200.17	52.84	23.714	
10,400.00	10,315.44	10,400.00	10,096.54	27.38	33.52	98.16	518.59	1,789.45	1,268.22	1,215.46	52.76	24.038	
10,500.00	10,415.44	10,432.90	10,118.24	27.43	33.48	99.28	493.89	1,790.33	1,288.55	1,235.69	52.86	24.377	
10,600.00	10,515.44	10,468.14	10,139.88	27.48	33.44	100.52	466.09	1,791.32	1,314.36	1,261.48	52.88	24.854	
10,700.00	10,615.44	10,500.00	10,157.93	27.53	33.40	101.68	439.86	1,792.26	1,345.69	1,292.77	52.92	25.430	
10,800.00	10,715.44	10,524.28	10,170.70	27.58	33.38	102.58	419.23	1,793.00	1,382.44	1,329.43	53.01	26.079	
10,900.00	10,815.44	10,550.00	10,183.25	27.63	33.36	103.56	396.79	1,793.81	1,424.42	1,371.35	53.07	26.842	
11,000.00	10,915.44	10,566.43	10,190.74	27.68	33.35	104.19	382.18	1,794.33	1,471.31	1,418.11	53.20	27.657	
11,100.00	11,015.44	10,583.67	10,198.14	27.73	33.34	104.85	366.62	1,794.89	1,522.81	1,469.50	53.31	28.565	
11,200.00	11,115.44	10,600.00	10,204.72	27.78	33.33	105.49	351.68	1,795.42	1,578.53	1,525.11	53.43	29.545	
11,300.00	11,215.44	10,600.00	10,204.72	27.83	33.33	105.49	351.68	1,795.42	1,638.27	1,584.63	53.64	30.542	
11,400.00	11,315.44	10,624.57	10,213.80	27.88	33.32	106.45	328.87	1,796.24	1,701.24	1,647.52	53.72	31.671	
11,500.00	11,415.41	10,650.00	10,222.17	27.87	33.31	-74.64	304.87	1,797.10	1,767.51	1,713.69	53.81	32.846	
11,600.00	11,514.10	10,650.00	10,222.17	27.76	33.31	-66.40	304.87	1,797.10	1,833.37	1,779.22	54.15	33.858	
11,700.00	11,608.62	10,650.00	10,222.17	27.61	33.31	-59.05	304.87	1,797.10	1,897.09	1,842.46	54.63	34.726	
11,800.00	11,696.11	10,700.00	10,235.47	27.44	33.31	-52.08	256.72	1,798.82	1,956.01	1,900.86	55.15	35.467	
11,900.00	11,773.90	10,700.00	10,235.47	27.26	33.31	-47.34	256.72	1,798.82	2,008.80	1,952.87	55.93	35.919	
12,000.00	11,839.63	10,729.95	10,241.40	27.11	33.32	-43.43	227.39	1,799.87	2,054.25	1,997.47	56.78	36.177	
12,100.00	11,891.31	10,750.00	10,244.52	26.99	33.32	-40.66	207.59	1,800.58	2,091.27	2,033.50	57.77	36.199	

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 801H
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 801H	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					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		
0.00	0.00	0.00	0.00	0.50	0.50	0.00	20.00	0.00	20.00					
100.00	100.00	100.00	100.00	0.66	0.66	0.00	20.00	0.00	20.00	18.68	1.32	15.184		
200.00	200.00	200.00	200.00	1.35	1.35	0.00	20.00	0.00	20.00	17.30	2.70	7.415		
300.00	300.00	300.00	300.00	1.82	1.82	0.00	20.00	0.00	20.00	16.37	3.63	5.503		
400.00	400.00	400.00	400.00	2.19	2.19	0.00	20.00	0.00	20.00	15.62	4.38	4.565		
500.00	500.00	500.00	500.00	2.51	2.51	0.00	20.00	0.00	20.00	14.98	5.02	3.982		
600.00	600.00	600.00	600.00	2.80	2.80	0.00	20.00	0.00	20.00	14.40	5.60	3.574		
700.00	700.00	700.00	700.00	3.06	3.06	0.00	20.00	0.00	20.00	13.88	6.12	3.267		
800.00	800.00	800.00	800.00	3.30	3.30	0.00	20.00	0.00	20.00	13.39	6.61	3.027		
900.00	900.00	900.00	900.00	3.53	3.53	0.00	20.00	0.00	20.00	12.93	7.07	2.831		
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	0.00	20.00	0.00	20.00	12.50	7.50	2.667		
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	0.00	20.00	0.00	20.00	12.09	7.91	2.528		
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	0.00	20.00	0.00	20.00	11.69	8.31	2.408		
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	0.00	20.00	0.00	20.00	11.31	8.69	2.302		
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	0.00	20.00	0.00	20.00	10.95	9.05	2.209		
1,466.67	1,466.67	1,466.67	1,466.67	4.65	4.65	0.00	20.00	0.00	20.00	10.71	9.29	2.153		
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	0.00	20.00	0.00	20.00	10.59	9.41	2.125	CC	
1,600.00	1,599.98	1,599.35	1,599.33	5.04	5.05	-39.74	21.61	0.63	20.25	10.24	10.02	2.022		
1,700.00	1,699.84	1,698.69	1,698.53	5.69	5.69	-43.39	26.42	2.50	21.08	10.11	10.97	1.921	Collision Risk Procedures Req., ES, SF	
1,800.00	1,799.45	1,797.99	1,797.46	6.29	6.29	-48.82	34.43	5.62	22.61	10.91	11.70	1.933	Collision Risk Procedures Req.	
1,900.00	1,898.70	1,897.25	1,895.98	6.86	6.86	-55.20	45.62	9.98	25.06	12.85	12.20	2.054		
2,000.00	1,997.47	1,996.76	1,994.33	7.41	7.09	-62.18	59.72	15.47	28.32	16.04	12.28	2.306		
2,100.00	2,095.66	2,096.57	2,092.90	7.70	7.31	-72.53	74.36	21.17	31.13	19.10	12.03	2.587		
2,200.00	2,193.71	2,196.35	2,191.44	7.93	7.56	-82.25	88.99	26.87	34.66	22.72	11.95	2.902		
2,300.00	2,291.75	2,296.14	2,289.97	8.20	7.82	-90.01	103.62	32.57	39.00	26.92	12.08	3.229		
2,400.00	2,389.80	2,395.92	2,388.51	8.48	8.11	-96.12	118.26	38.27	43.91	31.55	12.36	3.553		
2,500.00	2,487.85	2,495.70	2,487.05	8.77	8.40	-100.97	132.89	43.96	49.21	36.48	12.73	3.867		
2,600.00	2,585.89	2,595.48	2,585.59	9.09	8.71	-104.85	147.52	49.66	54.80	41.65	13.15	4.167		
2,700.00	2,683.94	2,695.26	2,684.13	9.41	9.03	-108.00	162.16	55.36	60.59	46.98	13.61	4.452		
2,800.00	2,781.99	2,795.05	2,782.67	9.75	9.36	-110.60	176.79	61.06	66.53	52.44	14.09	4.722		
2,900.00	2,880.03	2,894.83	2,881.21	10.09	9.70	-112.77	191.42	66.76	72.58	58.00	14.58	4.977		
3,000.00	2,978.08	2,994.61	2,979.74	10.45	10.05	-114.60	206.05	72.46	78.72	63.63	15.09	5.217		
3,100.00	3,076.13	3,094.39	3,078.28	10.81	10.40	-116.17	220.69	78.16	84.93	69.33	15.61	5.443		
3,200.00	3,174.17	3,194.17	3,176.82	11.19	10.77	-117.52	235.32	83.85	91.20	75.07	16.13	5.655		
3,300.00	3,272.22	3,293.96	3,275.36	11.57	11.13	-118.70	249.95	89.55	97.51	80.85	16.66	5.853		
3,400.00	3,370.27	3,393.74	3,373.90	11.95	11.51	-119.73	264.59	95.25	103.86	86.66	17.19	6.040		
3,500.00	3,468.31	3,493.52	3,472.44	12.34	11.89	-120.65	279.22	100.95	110.23	92.50	17.74	6.215		
3,600.00	3,566.36	3,593.30	3,570.98	12.74	12.27	-121.46	293.85	106.65	116.63	98.35	18.28	6.380		
3,700.00	3,664.41	3,693.08	3,669.51	13.14	12.66	-122.19	308.48	112.35	123.05	104.22	18.83	6.535		
3,800.00	3,762.45	3,792.87	3,768.05	13.55	13.05	-122.85	323.12	118.05	129.49	110.11	19.38	6.680		
3,900.00	3,860.50	3,892.65	3,866.59	13.96	13.44	-123.44	337.75	123.74	135.95	116.00	19.94	6.817		
4,000.00	3,958.55	3,992.43	3,965.13	14.37	13.84	-123.98	352.38	129.44	142.41	121.91	20.50	6.946		
4,100.00	4,056.59	4,092.21	4,063.67	14.79	14.24	-124.48	367.01	135.14	148.89	127.82	21.07	7.067		
4,200.00	4,154.64	4,191.99	4,162.21	15.21	14.64	-124.93	381.65	140.84	155.38	133.75	21.64	7.181		
4,300.00	4,252.69	4,291.78	4,260.75	15.64	15.05	-125.35	396.28	146.54	161.88	139.67	22.21	7.289		
4,400.00	4,350.73	4,391.56	4,359.29	16.06	15.45	-125.73	410.91	152.24	168.39	145.61	22.78	7.391		
4,500.00	4,448.78	4,491.34	4,457.82	16.49	15.86	-126.09	425.55	157.94	174.90	151.54	23.36	7.488		
4,600.00	4,546.83	4,591.12	4,556.36	16.92	16.27	-126.42	440.18	163.64	181.42	157.48	23.94	7.579		
4,700.00	4,644.87	4,690.90	4,654.90	17.35	16.69	-126.72	454.81	169.33	187.95	163.43	24.52	7.666		
4,800.00	4,742.92	4,790.69	4,753.44	17.79	17.10	-127.01	469.44	175.03	194.48	169.38	25.10	7.748		
4,900.00	4,840.97	4,890.47	4,851.98	18.22	17.52	-127.28	484.08	180.73	201.01	175.32	25.69	7.826		
5,000.00	4,939.01	4,990.25	4,950.52	18.66	17.94	-127.53	498.71	186.43	207.55	181.28	26.27	7.900		

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 801H
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 801H	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
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	5,037.06	5,090.03	5,049.06	19.10	18.35	-127.76	513.34	192.13	214.09	187.23	26.86	7.970	
5,200.00	5,135.11	5,189.81	5,147.59	19.54	18.77	-127.99	527.98	197.83	220.64	193.18	27.45	8.037	
5,300.00	5,233.15	5,289.60	5,246.13	19.98	19.20	-128.19	542.61	203.53	227.19	199.14	28.05	8.101	
5,400.00	5,331.20	5,389.38	5,344.67	20.43	19.62	-128.39	557.24	209.22	233.74	205.10	28.64	8.161	
5,500.00	5,429.25	5,489.16	5,443.21	20.87	20.04	-128.58	571.87	214.92	240.29	211.06	29.23	8.219	
5,600.00	5,527.29	5,588.94	5,541.75	21.32	20.47	-128.75	586.51	220.62	246.85	217.02	29.83	8.275	
5,700.00	5,625.34	5,688.72	5,640.29	21.76	20.89	-128.92	601.14	226.32	253.41	222.98	30.43	8.328	
5,800.00	5,723.39	5,788.51	5,738.83	22.21	21.32	-129.08	615.77	232.02	259.97	228.94	31.03	8.378	
5,900.00	5,821.43	5,888.29	5,837.36	22.66	21.74	-129.23	630.40	237.72	266.53	234.90	31.63	8.427	
6,000.00	5,919.48	5,988.07	5,935.90	23.11	22.17	-129.38	645.04	243.42	273.10	240.87	32.23	8.473	
6,100.00	6,017.75	6,087.90	6,034.49	23.55	22.60	-129.40	659.68	249.12	278.91	246.15	32.76	8.515	
6,200.00	6,116.60	6,184.75	6,130.31	24.06	23.04	-129.11	672.80	254.23	283.01	249.82	33.19	8.528	
6,300.00	6,215.91	6,281.12	6,226.06	24.57	23.51	-128.89	682.89	258.16	286.17	252.56	33.61	8.515	
6,400.00	6,315.57	6,377.52	6,322.16	25.04	23.96	-128.74	689.97	260.91	288.39	254.39	34.00	8.483	
6,500.00	6,415.45	6,473.94	6,418.47	25.46	24.37	-128.66	694.04	262.50	289.66	255.32	34.34	8.434	
6,600.00	6,515.44	6,570.92	6,515.44	25.65	24.58	-90.17	695.12	262.92	290.00	255.51	34.49	8.409	
6,700.00	6,615.44	6,670.92	6,615.44	25.69	24.62	-90.17	695.12	262.92	290.00	255.41	34.59	8.383	
6,800.00	6,715.44	6,770.92	6,715.44	25.73	24.66	-90.17	695.12	262.92	290.00	255.28	34.72	8.353	
6,900.00	6,815.44	6,870.92	6,815.44	25.77	24.71	-90.17	695.12	262.92	290.00	255.16	34.84	8.323	
7,000.00	6,915.44	6,970.92	6,915.44	25.82	24.76	-90.17	695.12	262.92	290.00	255.03	34.97	8.293	
7,100.00	7,015.44	7,070.92	7,015.44	25.86	24.80	-90.17	695.12	262.92	290.00	254.91	35.10	8.263	
7,200.00	7,115.44	7,170.92	7,115.44	25.90	24.85	-90.17	695.12	262.92	290.00	254.78	35.22	8.233	
7,300.00	7,215.44	7,270.92	7,215.44	25.95	24.90	-90.17	695.12	262.92	290.00	254.65	35.35	8.204	
7,400.00	7,315.44	7,370.92	7,315.44	25.99	24.95	-90.17	695.12	262.92	290.00	254.52	35.48	8.174	
7,500.00	7,415.44	7,470.92	7,415.44	26.03	24.99	-90.17	695.12	262.92	290.00	254.40	35.60	8.145	
7,600.00	7,515.44	7,570.92	7,515.44	26.08	25.04	-90.17	695.12	262.92	290.00	254.27	35.73	8.116	
7,700.00	7,615.44	7,670.92	7,615.44	26.12	25.09	-90.17	695.12	262.92	290.00	254.14	35.86	8.087	
7,800.00	7,715.44	7,770.92	7,715.44	26.17	25.14	-90.17	695.12	262.92	290.00	254.01	35.99	8.058	
7,900.00	7,815.44	7,870.92	7,815.44	26.21	25.19	-90.17	695.12	262.92	290.00	253.89	36.12	8.030	
8,000.00	7,915.44	7,970.92	7,915.44	26.26	25.24	-90.17	695.12	262.92	290.00	253.76	36.24	8.001	
8,100.00	8,015.44	8,070.92	8,015.44	26.30	25.28	-90.17	695.12	262.92	290.00	253.63	36.37	7.973	
8,200.00	8,115.44	8,170.92	8,115.44	26.35	25.33	-90.17	695.12	262.92	290.00	253.50	36.50	7.945	
8,300.00	8,215.44	8,270.92	8,215.44	26.39	25.38	-90.17	695.12	262.92	290.00	253.37	36.63	7.917	
8,400.00	8,315.44	8,370.92	8,315.44	26.44	25.43	-90.17	695.12	262.92	290.00	253.24	36.76	7.889	
8,500.00	8,415.44	8,470.92	8,415.44	26.48	25.48	-90.17	695.12	262.92	290.00	253.11	36.89	7.861	
8,600.00	8,515.44	8,570.92	8,515.44	26.53	25.53	-90.17	695.12	262.92	290.00	252.98	37.02	7.833	
8,700.00	8,615.44	8,670.92	8,615.44	26.57	25.58	-90.17	695.12	262.92	290.00	252.85	37.15	7.806	
8,800.00	8,715.44	8,770.92	8,715.44	26.62	25.63	-90.17	695.12	262.92	290.00	252.72	37.28	7.779	
8,900.00	8,815.44	8,870.92	8,815.44	26.67	25.68	-90.17	695.12	262.92	290.00	252.59	37.41	7.751	
9,000.00	8,915.44	8,970.92	8,915.44	26.71	25.73	-90.17	695.12	262.92	290.00	252.46	37.54	7.724	
9,100.00	9,015.44	9,070.92	9,015.44	26.76	25.78	-90.17	695.12	262.92	290.00	252.33	37.68	7.697	
9,200.00	9,115.44	9,170.92	9,115.44	26.81	25.83	-90.17	695.12	262.92	290.00	252.19	37.81	7.671	
9,300.00	9,215.44	9,270.92	9,215.44	26.85	25.88	-90.17	695.12	262.92	290.00	252.06	37.94	7.644	
9,400.00	9,315.44	9,370.92	9,315.44	26.90	25.93	-90.17	695.12	262.92	290.00	251.93	38.07	7.618	
9,500.00	9,415.44	9,470.92	9,415.44	26.95	25.98	-90.17	695.12	262.92	290.00	251.80	38.20	7.591	
9,600.00	9,515.44	9,570.92	9,515.44	27.00	26.03	-90.17	695.12	262.92	290.00	251.67	38.33	7.565	
9,700.00	9,615.44	9,670.92	9,615.44	27.04	26.09	-90.17	695.12	262.92	290.00	251.53	38.47	7.539	
9,800.00	9,715.44	9,770.92	9,715.44	27.09	26.14	-90.17	695.12	262.92	290.00	251.40	38.60	7.513	
9,900.00	9,815.44	9,870.92	9,815.44	27.14	26.19	-90.17	695.12	262.92	290.00	251.27	38.73	7.487	
10,000.00	9,915.44	9,970.92	9,915.44	27.19	26.24	-90.17	695.12	262.92	290.00	251.14	38.87	7.462	
10,100.00	10,015.44	10,070.92	10,015.44	27.24	26.29	-90.17	695.12	262.92	290.00	251.00	39.00	7.436	
10,200.00	10,115.44	10,170.92	10,115.44	27.28	26.34	-90.17	695.12	262.92	290.00	250.87	39.13	7.411	

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 801H
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 801H	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)			
10,300.00	10,215.44	10,270.92	10,215.44	27.33	26.40	-90.17	695.12	262.92	290.00	250.74	39.27	7.386	
10,400.00	10,315.44	10,370.92	10,315.44	27.38	26.45	-90.17	695.12	262.92	290.00	250.60	39.40	7.361	
10,500.00	10,415.44	10,470.92	10,415.44	27.43	26.50	-90.17	695.12	262.92	290.00	250.47	39.53	7.336	
10,600.00	10,515.44	10,570.92	10,515.44	27.48	26.55	-90.17	695.12	262.92	290.00	250.33	39.67	7.311	
10,700.00	10,615.44	10,670.92	10,615.44	27.53	26.61	-90.17	695.12	262.92	290.00	250.20	39.80	7.286	
10,800.00	10,715.44	10,770.92	10,715.44	27.58	26.66	-90.17	695.12	262.92	290.00	250.06	39.94	7.261	
10,900.00	10,815.44	10,870.92	10,815.44	27.63	26.71	-90.17	695.12	262.92	290.00	249.93	40.07	7.237	
11,000.00	10,915.44	10,970.93	10,915.45	27.68	26.75	-90.18	695.06	262.92	290.00	249.81	40.19	7.215	
11,013.29	10,928.73	10,984.22	10,928.73	27.68	26.73	-90.25	694.71	262.92	290.00	249.78	40.22	7.210	
11,100.00	11,015.44	11,069.73	11,013.63	27.73	26.65	-92.15	685.12	262.96	290.17	249.37	40.80	7.112	
11,200.00	11,115.44	11,162.53	11,103.01	27.78	26.56	-96.97	660.56	263.07	292.27	250.10	42.17	6.931	
11,300.00	11,215.44	11,245.61	11,178.75	27.83	26.43	-103.47	626.60	263.22	300.14	256.24	43.90	6.837	
11,400.00	11,315.44	11,317.52	11,239.76	27.88	26.31	-110.35	588.61	263.39	317.94	272.45	45.49	6.989	
11,500.00	11,415.41	11,379.18	11,287.94	27.87	26.21	56.84	550.18	263.56	347.56	301.04	46.52	7.470	
11,600.00	11,514.10	11,437.66	11,329.56	27.76	26.10	49.00	509.14	263.73	381.80	335.00	46.80	8.159	
11,700.00	11,608.62	11,500.00	11,369.09	27.61	25.99	42.39	460.97	263.95	415.89	369.05	46.84	8.879	
11,800.00	11,696.11	11,550.00	11,396.86	27.44	25.91	37.78	419.42	264.13	447.36	400.73	46.63	9.593	
11,900.00	11,773.90	11,600.00	11,420.90	27.26	25.84	34.16	375.59	264.32	474.86	428.24	46.62	10.185	
12,000.00	11,839.63	11,662.86	11,445.56	27.11	25.76	31.05	317.80	264.57	497.00	450.05	46.94	10.587	
12,100.00	11,891.31	11,717.95	11,461.86	26.99	25.71	28.95	265.20	264.80	513.31	465.90	47.41	10.828	
12,200.00	11,927.36	11,772.81	11,472.99	26.93	25.67	27.49	211.51	265.04	523.20	475.14	48.06	10.887	
12,300.00	11,946.69	11,827.54	11,478.93	26.94	25.65	26.60	157.13	265.28	526.35	477.50	48.85	10.774	
12,400.00	11,950.00	11,898.38	11,480.00	27.04	25.66	26.00	86.30	265.59	523.28	473.80	49.48	10.575	
12,500.00	11,950.00	11,998.15	11,480.00	27.20	25.68	25.38	-13.46	266.02	520.34	470.46	49.88	10.432	
12,600.00	11,950.00	12,098.09	11,480.00	27.41	25.71	25.08	-113.40	266.46	518.94	468.67	50.27	10.323	
12,699.78	11,950.00	12,197.87	11,480.00	27.64	25.74	25.01	-213.18	266.90	518.62	467.99	50.62	10.245	
12,700.00	11,950.00	12,198.09	11,480.00	27.64	25.74	25.05	-213.40	266.90	518.80	468.19	50.61	10.251	
12,800.00	11,950.00	12,298.09	11,480.00	27.90	25.77	25.05	-313.40	267.34	518.80	467.80	51.00	10.172	
12,900.00	11,950.00	12,398.09	11,480.00	28.21	25.81	25.05	-413.40	267.78	518.80	467.35	51.45	10.083	
13,000.00	11,950.00	12,498.09	11,480.00	28.56	25.86	25.05	-513.40	268.22	518.80	466.85	51.95	9.986	
13,100.00	11,950.00	12,598.09	11,480.00	28.96	25.91	25.05	-613.40	268.65	518.80	466.30	52.51	9.881	
13,200.00	11,950.00	12,698.09	11,480.00	29.41	25.97	25.05	-713.39	269.09	518.80	465.69	53.11	9.768	
13,300.00	11,950.00	12,798.09	11,480.00	29.92	26.03	25.05	-813.39	269.53	518.81	465.04	53.76	9.650	
13,400.00	11,950.00	12,898.09	11,480.00	30.49	26.10	25.05	-913.39	269.97	518.81	464.34	54.46	9.526	
13,500.00	11,950.00	12,998.09	11,480.00	31.11	26.18	25.05	-1,013.39	270.41	518.81	463.60	55.21	9.397	
13,600.00	11,950.00	13,098.09	11,480.00	31.80	26.26	25.05	-1,113.39	270.84	518.81	462.82	55.99	9.265	
13,700.00	11,950.00	13,198.09	11,480.00	32.54	26.36	25.05	-1,213.39	271.28	518.81	461.99	56.82	9.130	
13,800.00	11,950.00	13,298.09	11,480.00	33.34	26.46	25.05	-1,313.39	271.72	518.81	461.12	57.69	8.993	
13,900.00	11,950.00	13,398.09	11,480.00	34.19	26.58	25.05	-1,413.39	272.16	518.81	460.22	58.60	8.854	
14,000.00	11,950.00	13,498.09	11,480.00	35.09	26.70	25.05	-1,513.39	272.60	518.82	459.28	59.54	8.714	
14,100.00	11,950.00	13,598.09	11,480.00	36.03	26.84	25.05	-1,613.39	273.04	518.82	458.30	60.52	8.573	
14,200.00	11,950.00	13,698.09	11,480.00	37.02	27.00	25.05	-1,713.38	273.47	518.82	457.29	61.53	8.433	
14,300.00	11,950.00	13,798.09	11,480.00	38.04	27.17	25.06	-1,813.38	273.91	518.82	456.25	62.57	8.292	
14,400.00	11,950.00	13,898.09	11,480.00	39.10	27.37	25.06	-1,913.38	274.35	518.82	455.19	63.64	8.153	
14,500.00	11,950.00	13,998.09	11,480.00	40.19	27.58	25.06	-2,013.38	274.79	518.82	454.09	64.73	8.015	
14,600.00	11,950.00	14,098.09	11,480.00	41.31	27.81	25.06	-2,113.38	275.23	518.82	452.97	65.86	7.878	
14,700.00	11,950.00	14,198.09	11,480.00	42.45	28.07	25.06	-2,213.38	275.66	518.83	451.82	67.01	7.743	
14,800.00	11,950.00	14,298.09	11,480.00	43.61	28.36	25.06	-2,313.38	276.10	518.83	450.64	68.18	7.609	
14,900.00	11,950.00	14,398.09	11,480.00	44.79	28.67	25.06	-2,413.38	276.54	518.83	449.45	69.38	7.478	
15,000.00	11,950.00	14,498.09	11,480.00	46.00	29.02	25.06	-2,513.38	276.98	518.83	448.23	70.60	7.349	
15,100.00	11,950.00	14,598.09	11,480.00	47.22	29.39	25.06	-2,613.38	277.42	518.83	446.99	71.84	7.222	
15,200.00	11,950.00	14,698.09	11,480.00	48.45	29.79	25.06	-2,713.38	277.86	518.83	445.74	73.10	7.098	

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 801H
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 801H	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)	Semi Major Axis Reference (usft)	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)			
15,300.00	11,950.00	14,798.09	11,480.00	49.70	30.21	25.06	-2,813.37	278.29	518.83	444.46	74.37	6.976	
15,400.00	11,950.00	14,898.09	11,480.00	50.96	30.66	25.06	-2,913.37	278.73	518.84	443.17	75.67	6.857	
15,500.00	11,950.00	14,998.09	11,480.00	52.23	31.14	25.06	-3,013.37	279.17	518.84	441.86	76.98	6.740	
15,600.00	11,950.00	15,098.09	11,480.00	53.51	31.64	25.06	-3,113.37	279.61	518.84	440.53	78.31	6.626	
15,700.00	11,950.00	15,198.09	11,480.00	54.81	32.16	25.06	-3,213.37	280.05	518.84	439.19	79.65	6.514	
15,800.00	11,950.00	15,298.09	11,480.00	56.11	32.70	25.06	-3,313.37	280.48	518.84	437.84	81.01	6.405	
15,900.00	11,950.00	15,398.09	11,480.00	57.42	33.26	25.06	-3,413.37	280.92	518.84	436.47	82.38	6.298	
16,000.00	11,950.00	15,498.09	11,480.00	58.73	33.83	25.06	-3,513.37	281.36	518.84	435.08	83.76	6.194	
16,100.00	11,950.00	15,598.09	11,480.00	60.06	34.42	25.06	-3,613.37	281.80	518.85	433.69	85.16	6.093	
16,200.00	11,950.00	15,698.09	11,480.00	61.39	35.01	25.06	-3,713.37	282.24	518.85	432.28	86.56	5.994	
16,300.00	11,950.00	15,798.09	11,480.00	62.72	35.62	25.06	-3,813.36	282.67	518.85	430.87	87.98	5.897	
16,400.00	11,950.00	15,898.09	11,480.00	64.07	36.25	25.06	-3,913.36	283.11	518.85	429.44	89.41	5.803	
16,500.00	11,950.00	15,998.09	11,480.00	65.41	36.88	25.06	-4,013.36	283.55	518.85	428.00	90.85	5.711	
16,600.00	11,950.00	16,098.09	11,480.00	66.77	37.51	25.06	-4,113.36	283.99	518.85	426.55	92.30	5.621	
16,700.00	11,950.00	16,198.09	11,480.00	68.12	38.16	25.06	-4,213.36	284.43	518.85	425.10	93.76	5.534	
16,800.00	11,950.00	16,298.09	11,480.00	69.48	38.81	25.06	-4,313.36	284.87	518.86	423.63	95.22	5.449	
16,900.00	11,950.00	16,398.09	11,480.00	70.85	39.47	25.06	-4,413.36	285.30	518.86	422.16	96.70	5.366	
17,000.00	11,950.00	16,498.09	11,480.00	72.21	40.14	25.06	-4,513.36	285.74	518.86	420.68	98.18	5.285	
17,100.00	11,950.00	16,598.09	11,480.00	73.59	40.81	25.06	-4,613.36	286.18	518.86	419.19	99.67	5.206	
17,200.00	11,950.00	16,698.09	11,480.00	74.96	41.48	25.06	-4,713.36	286.62	518.86	417.69	101.17	5.129	
17,300.00	11,950.00	16,798.09	11,480.00	76.34	42.16	25.07	-4,813.35	287.06	518.86	416.19	102.67	5.053	
17,400.00	11,950.00	16,898.09	11,480.00	77.72	42.85	25.07	-4,913.35	287.49	518.86	414.68	104.19	4.980	
17,500.00	11,950.00	16,998.09	11,480.00	79.10	43.54	25.07	-5,013.35	287.93	518.87	413.16	105.70	4.909	
17,600.00	11,950.00	17,098.09	11,480.00	80.49	44.23	25.07	-5,113.35	288.37	518.87	411.64	107.23	4.839	
17,700.00	11,950.00	17,198.09	11,480.00	81.88	44.92	25.07	-5,213.35	288.81	518.87	410.11	108.76	4.771	
17,800.00	11,950.00	17,298.09	11,480.00	83.27	45.62	25.07	-5,313.35	289.25	518.87	408.58	110.29	4.704	
17,900.00	11,950.00	17,398.09	11,480.00	84.66	46.32	25.07	-5,413.35	289.69	518.87	407.04	111.84	4.640	
18,000.00	11,950.00	17,498.09	11,480.00	86.05	47.03	25.07	-5,513.35	290.12	518.87	405.49	113.38	4.576	
18,100.00	11,950.00	17,598.09	11,480.00	87.45	47.73	25.07	-5,613.35	290.56	518.87	403.94	114.93	4.515	
18,200.00	11,950.00	17,698.09	11,480.00	88.85	48.44	25.07	-5,713.35	291.00	518.88	402.39	116.49	4.454	
18,300.00	11,950.00	17,798.09	11,480.00	90.25	49.15	25.07	-5,813.35	291.44	518.88	400.83	118.05	4.395	
18,400.00	11,950.00	17,898.09	11,480.00	91.65	49.87	25.07	-5,913.34	291.88	518.88	399.26	119.61	4.338	
18,500.00	11,950.00	17,998.09	11,480.00	93.06	50.58	25.07	-6,013.34	292.31	518.88	397.70	121.18	4.282	
18,600.00	11,950.00	18,098.09	11,480.00	94.46	51.30	25.07	-6,113.34	292.75	518.88	396.12	122.76	4.227	
18,700.00	11,950.00	18,198.09	11,480.00	95.87	52.02	25.07	-6,213.34	293.19	518.88	394.55	124.33	4.173	
18,800.00	11,950.00	18,298.09	11,480.00	97.27	52.74	25.07	-6,313.34	293.63	518.88	392.97	125.91	4.121	
18,900.00	11,950.00	18,398.09	11,480.00	98.68	53.46	25.07	-6,413.34	294.07	518.89	391.39	127.50	4.070	
19,000.00	11,950.00	18,498.09	11,480.00	100.09	54.19	25.07	-6,513.34	294.51	518.89	389.80	129.09	4.020	
19,100.00	11,950.00	18,598.09	11,480.00	101.51	54.91	25.07	-6,613.34	294.94	518.89	388.21	130.68	3.971	
19,200.00	11,950.00	18,698.09	11,480.00	102.92	55.64	25.07	-6,713.34	295.38	518.89	386.62	132.27	3.923	
19,300.00	11,950.00	18,798.09	11,480.00	104.33	56.37	25.07	-6,813.34	295.82	518.89	385.02	133.87	3.876	
19,400.00	11,950.00	18,898.09	11,480.00	105.75	57.10	25.07	-6,913.33	296.26	518.89	383.42	135.47	3.830	
19,500.00	11,950.00	18,998.09	11,480.00	107.16	57.83	25.07	-7,013.33	296.70	518.89	381.82	137.08	3.785	
19,600.00	11,950.00	19,098.09	11,480.00	108.58	58.56	25.07	-7,113.33	297.13	518.90	380.21	138.68	3.742	
19,700.00	11,950.00	19,198.09	11,480.00	110.00	59.29	25.07	-7,213.33	297.57	518.90	378.61	140.29	3.699	
19,800.00	11,950.00	19,298.09	11,480.00	111.42	60.02	25.07	-7,313.33	298.01	518.90	377.00	141.90	3.657	
19,900.00	11,950.00	19,398.09	11,480.00	112.84	60.76	25.07	-7,413.33	298.45	518.90	375.38	143.52	3.616	
20,000.00	11,950.00	19,498.09	11,480.00	114.26	61.50	25.07	-7,513.33	298.89	518.90	373.77	145.13	3.575	
20,100.00	11,950.00	19,598.09	11,480.00	115.68	62.23	25.07	-7,613.33	299.33	518.90	372.15	146.75	3.536	
20,200.00	11,950.00	19,698.09	11,480.00	117.10	62.97	25.07	-7,713.33	299.76	518.90	370.53	148.37	3.497	
20,300.00	11,950.00	19,798.09	11,480.00	118.52	63.71	25.08	-7,813.33	300.20	518.91	368.91	150.00	3.459	
20,400.00	11,950.00	19,898.09	11,480.00	119.94	64.45	25.08	-7,913.33	300.64	518.91	367.28	151.62	3.422	

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 801H
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 801H	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)			
20,500.00	11,950.00	19,998.09	11,480.00	121.37	65.19	25.08	-8,013.32	301.08	518.91	365.66	153.25	3.386	
20,600.00	11,950.00	20,098.09	11,480.00	122.79	65.93	25.08	-8,113.32	301.52	518.91	364.03	154.88	3.350	
20,700.00	11,950.00	20,198.09	11,480.00	124.22	66.67	25.08	-8,213.32	301.95	518.91	362.40	156.51	3.315	
20,800.00	11,950.00	20,298.09	11,480.00	125.64	67.41	25.08	-8,313.32	302.39	518.91	360.77	158.15	3.281	
20,900.00	11,950.00	20,398.09	11,480.00	127.07	68.16	25.08	-8,413.32	302.83	518.91	359.13	159.78	3.248	
21,000.00	11,950.00	20,498.09	11,480.00	128.50	68.90	25.08	-8,513.32	303.27	518.92	357.49	161.42	3.215	
21,100.00	11,950.00	20,598.09	11,480.00	129.92	69.64	25.08	-8,613.32	303.71	518.92	355.86	163.06	3.182	
21,200.00	11,950.00	20,698.09	11,480.00	131.35	70.39	25.08	-8,713.32	304.15	518.92	354.22	164.70	3.151	
21,300.00	11,950.00	20,798.09	11,480.00	132.78	71.13	25.08	-8,813.32	304.58	518.92	352.58	166.34	3.120	
21,400.00	11,950.00	20,898.09	11,480.00	134.21	71.88	25.08	-8,913.32	305.02	518.92	350.93	167.99	3.089	
21,500.00	11,950.00	20,998.09	11,480.00	135.64	72.63	25.08	-9,013.31	305.46	518.92	349.29	169.63	3.059	
21,600.00	11,950.00	21,098.09	11,480.00	137.07	73.37	25.08	-9,113.31	305.90	518.92	347.64	171.28	3.030	
21,700.00	11,950.00	21,198.09	11,480.00	138.50	74.12	25.08	-9,213.31	306.34	518.93	346.00	172.93	3.001	
21,800.00	11,950.00	21,298.09	11,480.00	139.93	74.87	25.08	-9,313.31	306.77	518.93	344.35	174.58	2.972	
21,900.00	11,950.00	21,398.09	11,480.00	141.36	75.62	25.08	-9,413.31	307.21	518.93	342.70	176.23	2.945	
22,000.00	11,950.00	21,498.09	11,480.00	142.79	76.37	25.08	-9,513.31	307.65	518.93	341.05	177.88	2.917	
22,100.00	11,950.00	21,598.09	11,480.00	144.23	77.12	25.08	-9,613.31	308.09	518.93	339.40	179.54	2.890	
22,200.00	11,950.00	21,698.09	11,480.00	145.66	77.87	25.08	-9,713.31	308.53	518.93	337.74	181.19	2.864	
22,300.00	11,950.00	21,798.09	11,480.00	147.09	78.62	25.08	-9,813.31	308.96	518.93	336.09	182.85	2.838	
22,400.00	11,950.00	21,898.09	11,480.00	148.52	79.37	25.08	-9,913.31	309.40	518.94	334.43	184.50	2.813	
22,500.00	11,950.00	21,998.09	11,480.00	149.96	80.12	25.08	-10,013.31	309.84	518.94	332.77	186.16	2.788	
22,600.00	11,950.00	22,098.09	11,480.00	151.39	80.87	25.08	-10,113.30	310.28	518.94	331.12	187.82	2.763	
22,700.00	11,950.00	22,198.09	11,480.00	152.83	81.62	25.08	-10,213.30	310.72	518.94	329.46	189.48	2.739	
22,800.00	11,950.00	22,298.09	11,480.00	154.26	82.37	25.08	-10,313.30	311.16	518.94	327.80	191.15	2.715	
22,820.31	11,950.00	22,318.40	11,480.00	154.55	82.53	25.08	-10,333.62	311.24	518.94	327.46	191.48	2.710	

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 801H
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 801H	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	180.00	-20.00	0.00	20.00				
100.00	100.00	100.00	100.00	0.66	0.66	180.00	-20.00	0.00	20.00	18.68	1.32	15.184	
200.00	200.00	200.00	200.00	1.35	1.35	180.00	-20.00	0.00	20.00	17.30	2.70	7.415	
300.00	300.00	300.00	300.00	1.82	1.82	180.00	-20.00	0.00	20.00	16.37	3.63	5.503	
400.00	400.00	400.00	400.00	2.19	2.19	180.00	-20.00	0.00	20.00	15.62	4.38	4.565	
500.00	500.00	500.00	500.00	2.51	2.51	180.00	-20.00	0.00	20.00	14.98	5.02	3.982	
600.00	600.00	600.00	600.00	2.80	2.80	180.00	-20.00	0.00	20.00	14.40	5.60	3.574	
700.00	700.00	700.00	700.00	3.06	3.06	180.00	-20.00	0.00	20.00	13.88	6.12	3.267	
800.00	800.00	800.00	800.00	3.30	3.30	180.00	-20.00	0.00	20.00	13.39	6.61	3.027	
900.00	900.00	900.00	900.00	3.53	3.53	180.00	-20.00	0.00	20.00	12.93	7.07	2.831	
1,000.00	1,000.00	1,000.00	1,000.00	3.75	3.75	180.00	-20.00	0.00	20.00	12.50	7.50	2.667	
1,100.00	1,100.00	1,100.00	1,100.00	3.96	3.96	180.00	-20.00	0.00	20.00	12.09	7.91	2.528	
1,200.00	1,200.00	1,200.00	1,200.00	4.15	4.15	180.00	-20.00	0.00	20.00	11.69	8.31	2.408	
1,300.00	1,300.00	1,300.00	1,300.00	4.34	4.34	180.00	-20.00	0.00	20.00	11.31	8.69	2.302	
1,400.00	1,400.00	1,400.00	1,400.00	4.53	4.53	180.00	-20.00	0.00	20.00	10.95	9.05	2.209	
1,500.00	1,500.00	1,500.00	1,500.00	4.70	4.70	180.00	-20.00	0.00	20.00	10.59	9.41	2.125 CC	
1,600.00	1,599.98	1,600.40	1,600.38	5.04	5.03	140.53	-19.00	1.44	20.37	10.44	9.93	2.052 ES	
1,700.00	1,699.84	1,700.78	1,700.61	5.69	5.67	137.74	-15.99	5.77	21.51	10.87	10.64	2.022 SF	
1,800.00	1,799.45	1,801.13	1,800.57	6.29	6.27	133.70	-10.97	12.98	23.51	12.31	11.20	2.099	
1,900.00	1,898.70	1,901.43	1,900.12	6.86	6.85	129.11	-3.97	23.05	26.46	14.85	11.62	2.278	
2,000.00	1,997.47	2,001.67	1,999.11	7.41	7.40	124.55	5.01	35.97	30.44	18.51	11.94	2.551	
2,100.00	2,095.66	2,101.83	2,097.41	7.70	7.94	120.15	15.95	51.71	35.39	23.33	12.07	2.934	
2,200.00	2,193.71	2,201.83	2,194.83	7.93	8.47	113.01	28.83	70.23	40.31	28.24	12.07	3.340	
2,300.00	2,291.75	2,301.45	2,291.03	8.20	8.99	103.16	43.58	91.45	45.78	33.65	12.13	3.773	
2,400.00	2,389.80	2,400.71	2,386.11	8.48	9.25	92.54	59.85	114.85	52.92	40.44	12.48	4.241	
2,500.00	2,487.85	2,500.00	2,481.14	8.77	9.52	84.37	76.29	138.49	61.54	48.38	13.16	4.677	
2,600.00	2,585.89	2,599.30	2,576.16	9.09	9.83	78.28	92.73	162.14	71.10	57.15	13.95	5.098	
2,700.00	2,683.94	2,698.59	2,671.19	9.41	10.14	73.67	109.17	185.79	81.26	66.51	14.75	5.509	
2,800.00	2,781.99	2,797.89	2,766.22	9.75	10.48	70.10	125.61	209.44	91.83	76.28	15.55	5.906	
2,900.00	2,880.03	2,897.18	2,861.24	10.09	10.82	67.28	142.05	233.08	102.68	86.34	16.34	6.285	
3,000.00	2,978.08	2,996.48	2,956.27	10.45	11.18	64.99	158.49	256.73	113.73	96.61	17.12	6.644	
3,100.00	3,076.13	3,095.77	3,051.30	10.81	11.55	63.11	174.93	280.38	124.93	107.04	17.89	6.982	
3,200.00	3,174.17	3,195.07	3,146.32	11.19	11.93	61.55	191.37	304.02	136.23	117.57	18.66	7.300	
3,300.00	3,272.22	3,294.36	3,241.35	11.57	12.32	60.22	207.81	327.67	147.63	128.20	19.43	7.598	
3,400.00	3,370.27	3,393.66	3,336.38	11.95	12.71	59.08	224.26	351.32	159.09	138.89	20.20	7.876	
3,500.00	3,468.31	3,492.95	3,431.40	12.34	13.12	58.10	240.70	374.97	170.60	149.63	20.97	8.136	
3,600.00	3,566.36	3,592.25	3,526.43	12.74	13.53	57.24	257.14	398.61	182.16	160.42	21.74	8.379	
3,700.00	3,664.41	3,691.54	3,621.46	13.14	13.94	56.49	273.58	422.26	193.75	171.23	22.51	8.605	
3,800.00	3,762.45	3,790.84	3,716.48	13.55	14.37	55.82	290.02	445.91	205.37	182.08	23.29	8.817	
3,900.00	3,860.50	3,890.13	3,811.51	13.96	14.79	55.22	306.46	469.55	217.02	192.94	24.07	9.015	
4,000.00	3,958.55	3,989.43	3,906.54	14.37	15.23	54.68	322.90	493.20	228.68	203.83	24.86	9.200	
4,100.00	4,056.59	4,088.73	4,001.56	14.79	15.66	54.19	339.34	516.85	240.37	214.73	25.64	9.373	
4,200.00	4,154.64	4,188.02	4,096.59	15.21	16.11	53.75	355.78	540.50	252.07	225.64	26.43	9.536	
4,300.00	4,252.69	4,287.32	4,191.62	15.64	16.55	53.35	372.22	564.14	263.78	236.56	27.23	9.688	
4,400.00	4,350.73	4,386.61	4,286.64	16.06	17.00	52.98	388.66	587.79	275.51	247.49	28.02	9.831	
4,500.00	4,448.78	4,485.91	4,381.67	16.49	17.45	52.65	405.10	611.44	287.25	258.42	28.82	9.966	
4,600.00	4,546.83	4,585.20	4,476.70	16.92	17.90	52.34	421.54	635.09	298.99	269.37	29.62	10.093	
4,700.00	4,644.87	4,684.50	4,571.72	17.35	18.36	52.05	437.99	658.73	310.75	280.32	30.43	10.212	
4,800.00	4,742.92	4,783.79	4,666.75	17.79	18.82	51.78	454.43	682.38	322.51	291.27	31.24	10.325	
4,900.00	4,840.97	4,883.09	4,761.78	18.22	19.28	51.53	470.87	706.03	334.27	302.23	32.04	10.432	
5,000.00	4,939.01	4,982.38	4,856.80	18.66	19.75	51.30	487.31	729.67	346.05	313.19	32.86	10.532	
5,100.00	5,037.06	5,081.68	4,951.83	19.10	20.21	51.09	503.75	753.32	357.82	324.15	33.67	10.628	

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 801H
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 801H	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						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	5,135.11	5,180.97	5,046.86	19.54	20.68	50.89	520.19	776.97	369.61	335.12	34.48	10.718		
5,300.00	5,233.15	5,280.27	5,141.88	19.98	21.15	50.70	536.63	800.62	381.39	346.09	35.30	10.804		
5,400.00	5,331.20	5,379.56	5,236.91	20.43	21.62	50.52	553.07	824.26	393.18	357.06	36.12	10.885		
5,500.00	5,429.25	5,478.86	5,331.94	20.87	22.10	50.35	569.51	847.91	404.98	368.04	36.94	10.963		
5,600.00	5,527.29	5,578.15	5,426.96	21.32	22.57	50.19	585.95	871.56	416.77	379.01	37.76	11.036		
5,700.00	5,625.34	5,677.45	5,521.99	21.76	23.05	50.04	602.39	895.20	428.57	389.99	38.59	11.106		
5,800.00	5,723.39	5,776.75	5,617.02	22.21	23.53	49.90	618.83	918.85	440.38	400.96	39.41	11.173		
5,900.00	5,821.43	5,882.84	5,718.69	22.66	24.03	49.79	636.15	943.75	451.84	411.56	40.29	11.216		
6,000.00	5,919.48	5,997.71	5,829.80	23.11	24.63	49.94	652.76	967.65	460.49	419.31	41.18	11.182		
6,100.00	6,017.75	6,113.00	5,942.40	23.55	25.27	50.35	666.86	987.94	466.58	424.61	41.97	11.116		
6,200.00	6,116.60	6,228.54	6,056.15	24.06	25.88	50.70	678.39	1,004.52	471.53	428.80	42.72	11.037		
6,300.00	6,215.91	6,344.26	6,170.81	24.57	26.46	50.96	687.31	1,017.34	475.35	431.97	43.38	10.957		
6,400.00	6,315.57	6,460.13	6,286.15	25.04	27.01	51.15	693.58	1,026.36	478.05	434.11	43.93	10.881		
6,500.00	6,415.45	6,576.09	6,401.93	25.46	27.50	51.25	697.18	1,031.54	479.59	435.24	44.36	10.812		
6,600.00	6,515.44	6,689.62	6,515.44	25.65	27.73	89.74	698.14	1,032.92	480.00	435.59	44.42	10.807		
6,700.00	6,615.44	6,789.62	6,615.44	25.69	27.76	89.74	698.14	1,032.92	480.00	435.51	44.50	10.788		
6,800.00	6,715.44	6,889.62	6,715.44	25.73	27.80	89.74	698.14	1,032.92	480.00	435.42	44.59	10.766		
6,900.00	6,815.44	6,989.62	6,815.44	25.77	27.84	89.74	698.14	1,032.92	480.00	435.33	44.68	10.744		
7,000.00	6,915.44	7,089.62	6,915.44	25.82	27.88	89.74	698.14	1,032.92	480.00	435.24	44.77	10.722		
7,100.00	7,015.44	7,189.62	7,015.44	25.86	27.91	89.74	698.14	1,032.92	480.00	435.14	44.86	10.700		
7,200.00	7,115.44	7,289.62	7,115.44	25.90	27.95	89.74	698.14	1,032.92	480.00	435.05	44.95	10.678		
7,300.00	7,215.44	7,389.62	7,215.44	25.95	27.99	89.74	698.14	1,032.92	480.00	434.96	45.05	10.656		
7,400.00	7,315.44	7,489.62	7,315.44	25.99	28.03	89.74	698.14	1,032.92	480.00	434.87	45.14	10.634		
7,500.00	7,415.44	7,589.62	7,415.44	26.03	28.06	89.74	698.14	1,032.92	480.00	434.77	45.23	10.612		
7,600.00	7,515.44	7,689.62	7,515.44	26.08	28.10	89.74	698.14	1,032.92	480.00	434.68	45.33	10.590		
7,700.00	7,615.44	7,789.62	7,615.44	26.12	28.14	89.74	698.14	1,032.92	480.00	434.59	45.42	10.568		
7,800.00	7,715.44	7,889.62	7,715.44	26.17	28.18	89.74	698.14	1,032.92	480.00	434.49	45.51	10.546		
7,900.00	7,815.44	7,989.62	7,815.44	26.21	28.22	89.74	698.14	1,032.92	480.00	434.40	45.61	10.524		
8,000.00	7,915.44	8,089.62	7,915.44	26.26	28.26	89.74	698.14	1,032.92	480.00	434.30	45.70	10.502		
8,100.00	8,015.44	8,189.62	8,015.44	26.30	28.30	89.74	698.14	1,032.92	480.00	434.20	45.80	10.480		
8,200.00	8,115.44	8,289.62	8,115.44	26.35	28.34	89.74	698.14	1,032.92	480.00	434.11	45.90	10.458		
8,300.00	8,215.44	8,389.62	8,215.44	26.39	28.38	89.74	698.14	1,032.92	480.00	434.01	45.99	10.436		
8,400.00	8,315.44	8,489.62	8,315.44	26.44	28.42	89.74	698.14	1,032.92	480.00	433.91	46.09	10.414		
8,500.00	8,415.44	8,589.62	8,415.44	26.48	28.46	89.74	698.14	1,032.92	480.00	433.82	46.19	10.392		
8,600.00	8,515.44	8,689.62	8,515.44	26.53	28.50	89.74	698.14	1,032.92	480.00	433.72	46.29	10.371		
8,700.00	8,615.44	8,789.62	8,615.44	26.57	28.54	89.74	698.14	1,032.92	480.00	433.62	46.38	10.349		
8,800.00	8,715.44	8,889.62	8,715.44	26.62	28.58	89.74	698.14	1,032.92	480.00	433.52	46.48	10.327		
8,900.00	8,815.44	8,989.62	8,815.44	26.67	28.62	89.74	698.14	1,032.92	480.00	433.42	46.58	10.305		
9,000.00	8,915.44	9,089.62	8,915.44	26.71	28.66	89.74	698.14	1,032.92	480.00	433.33	46.68	10.283		
9,100.00	9,015.44	9,189.62	9,015.44	26.76	28.70	89.74	698.14	1,032.92	480.00	433.23	46.78	10.261		
9,200.00	9,115.44	9,289.62	9,115.44	26.81	28.74	89.74	698.14	1,032.92	480.00	433.13	46.88	10.239		
9,300.00	9,215.44	9,389.62	9,215.44	26.85	28.78	89.74	698.14	1,032.92	480.00	433.03	46.98	10.217		
9,400.00	9,315.44	9,489.62	9,315.44	26.90	28.82	89.74	698.14	1,032.92	480.00	432.93	47.08	10.196		
9,500.00	9,415.44	9,589.62	9,415.44	26.95	28.87	89.74	698.14	1,032.92	480.00	432.82	47.18	10.174		
9,600.00	9,515.44	9,689.62	9,515.44	27.00	28.91	89.74	698.14	1,032.92	480.00	432.72	47.28	10.152		
9,700.00	9,615.44	9,789.62	9,615.44	27.04	28.95	89.74	698.14	1,032.92	480.00	432.62	47.38	10.130		
9,800.00	9,715.44	9,889.62	9,715.44	27.09	28.99	89.74	698.14	1,032.92	480.00	432.52	47.49	10.109		
9,900.00	9,815.44	9,989.62	9,815.44	27.14	29.03	89.74	698.14	1,032.92	480.00	432.42	47.59	10.087		
10,000.00	9,915.44	10,089.62	9,915.44	27.19	29.08	89.74	698.14	1,032.92	480.00	432.31	47.69	10.065		
10,100.00	10,015.44	10,189.62	10,015.44	27.24	29.12	89.74	698.14	1,032.92	480.00	432.21	47.79	10.043		
10,200.00	10,115.44	10,289.62	10,115.44	27.28	29.16	89.74	698.14	1,032.92	480.00	432.11	47.90	10.022		
10,300.00	10,215.44	10,389.62	10,215.44	27.33	29.21	89.74	698.14	1,032.92	480.00	432.01	48.00	10.000		

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 801H
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 801H	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:												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	
10,400.00	10,315.44	10,489.62	10,315.44	27.38	29.25	89.74	698.14	1,032.92	480.00	431.90	48.10	9.979	
10,500.00	10,415.44	10,589.62	10,415.44	27.43	29.29	89.74	698.14	1,032.92	480.00	431.80	48.21	9.957	
10,600.00	10,515.44	10,689.62	10,515.44	27.48	29.34	89.74	698.14	1,032.92	480.00	431.69	48.31	9.935	
10,700.00	10,615.44	10,789.62	10,615.44	27.53	29.38	89.74	698.14	1,032.92	480.00	431.59	48.42	9.914	
10,800.00	10,715.44	10,889.62	10,715.44	27.58	29.42	89.74	698.14	1,032.92	480.00	431.48	48.52	9.892	
10,900.00	10,815.44	10,989.62	10,815.44	27.63	29.47	89.74	698.14	1,032.92	480.00	431.38	48.63	9.871	
10,977.53	10,892.97	11,067.15	10,892.97	27.67	29.50	89.74	698.14	1,032.92	480.00	431.30	48.71	9.855	
11,000.00	10,915.44	11,089.62	10,915.44	27.68	29.50	89.75	698.08	1,032.92	480.00	431.28	48.72	9.852	
11,001.39	10,916.83	11,091.01	10,916.83	27.68	29.50	89.75	698.06	1,032.92	480.00	431.28	48.72	9.852	
11,100.00	11,015.44	11,188.37	11,013.56	27.73	29.38	90.93	688.15	1,032.96	480.11	431.71	48.40	9.919	
11,200.00	11,115.44	11,281.12	11,102.91	27.78	29.24	93.86	663.62	1,033.07	481.40	433.78	47.63	10.108	
11,300.00	11,215.44	11,364.16	11,178.62	27.83	29.09	97.86	629.69	1,033.22	486.25	439.56	46.69	10.415	
11,400.00	11,315.44	11,436.06	11,239.63	27.88	28.96	102.24	591.73	1,033.39	497.46	451.59	45.86	10.846	
11,500.00	11,415.41	11,500.00	11,289.52	27.87	28.85	-77.93	551.79	1,033.56	517.11	471.82	45.29	11.417	
11,600.00	11,514.10	11,550.00	11,325.24	27.76	28.76	-72.29	516.83	1,033.71	542.93	497.27	45.66	11.891	
11,700.00	11,608.62	11,613.53	11,366.01	27.61	28.66	-66.32	468.15	1,033.93	571.64	525.51	46.13	12.391	
11,800.00	11,696.11	11,670.05	11,397.56	27.44	28.59	-61.41	421.28	1,034.13	601.07	553.85	47.21	12.731	
11,900.00	11,773.90	11,725.95	11,424.07	27.26	28.52	-57.32	372.10	1,034.35	629.32	580.73	48.59	12.953	
12,000.00	11,839.63	11,781.37	11,445.50	27.11	28.48	-54.06	321.00	1,034.57	655.00	604.85	50.16	13.059	
12,100.00	11,891.31	11,836.46	11,461.81	26.99	28.45	-51.61	268.41	1,034.80	677.09	625.24	51.85	13.058	
12,200.00	11,927.36	11,900.00	11,474.25	26.93	28.44	-49.89	206.14	1,035.08	694.93	641.52	53.41	13.011	
12,300.00	11,946.69	11,950.00	11,479.15	26.94	28.45	-48.93	156.39	1,035.29	707.78	652.54	55.24	12.812	
12,400.00	11,950.00	12,016.73	11,480.00	27.04	28.49	-48.86	89.68	1,035.59	715.85	659.28	56.57	12.653	
12,500.00	11,950.00	12,116.50	11,480.00	27.20	28.57	-49.28	-10.09	1,036.02	720.97	663.68	57.30	12.583	
12,600.00	11,950.00	12,216.44	11,480.00	27.41	28.67	-49.48	-110.03	1,036.46	723.47	665.33	58.14	12.444	
12,700.00	11,950.00	12,316.44	11,480.00	27.64	28.78	-49.50	-210.03	1,036.90	723.73	664.71	59.01	12.264	
12,800.00	11,950.00	12,416.44	11,480.00	27.90	28.91	-49.50	-310.02	1,037.34	723.72	663.78	59.94	12.074	
12,900.00	11,950.00	12,516.44	11,480.00	28.21	29.04	-49.50	-410.02	1,037.78	723.72	662.79	60.93	11.878	
13,000.00	11,950.00	12,616.44	11,480.00	28.56	29.19	-49.50	-510.02	1,038.21	723.72	661.75	61.97	11.679	
13,100.00	11,950.00	12,716.44	11,480.00	28.96	29.36	-49.50	-610.02	1,038.65	723.72	660.66	63.06	11.477	
13,200.00	11,950.00	12,816.44	11,480.00	29.41	29.54	-49.50	-710.02	1,039.09	723.71	659.52	64.19	11.274	
13,300.00	11,950.00	12,916.44	11,480.00	29.92	29.73	-49.50	-810.02	1,039.53	723.71	658.34	65.37	11.070	
13,400.00	11,950.00	13,016.44	11,480.00	30.49	29.93	-49.50	-910.02	1,039.97	723.71	657.11	66.60	10.867	
13,500.00	11,950.00	13,116.44	11,480.00	31.11	30.15	-49.50	-1,010.02	1,040.40	723.70	655.85	67.86	10.665	
13,600.00	11,950.00	13,216.44	11,480.00	31.80	30.38	-49.50	-1,110.02	1,040.84	723.70	654.55	69.15	10.465	
13,700.00	11,950.00	13,316.44	11,480.00	32.54	30.62	-49.50	-1,210.02	1,041.28	723.70	653.21	70.49	10.267	
13,800.00	11,950.00	13,416.44	11,480.00	33.34	30.88	-49.50	-1,310.01	1,041.72	723.70	651.85	71.85	10.072	
13,900.00	11,950.00	13,516.44	11,480.00	34.19	31.15	-49.50	-1,410.01	1,042.16	723.69	650.45	73.24	9.880	
14,000.00	11,950.00	13,616.44	11,480.00	35.09	31.44	-49.50	-1,510.01	1,042.59	723.69	649.02	74.67	9.692	
14,100.00	11,950.00	13,716.44	11,480.00	36.03	31.73	-49.50	-1,610.01	1,043.03	723.69	647.57	76.12	9.508	
14,200.00	11,950.00	13,816.44	11,480.00	37.02	32.04	-49.50	-1,710.01	1,043.47	723.69	646.09	77.59	9.327	
14,300.00	11,950.00	13,916.44	11,480.00	38.04	32.37	-49.50	-1,810.01	1,043.91	723.68	644.59	79.09	9.150	
14,400.00	11,950.00	14,016.44	11,480.00	39.10	32.70	-49.50	-1,910.01	1,044.35	723.68	643.07	80.61	8.978	
14,500.00	11,950.00	14,116.44	11,480.00	40.19	33.05	-49.50	-2,010.01	1,044.78	723.68	641.53	82.15	8.809	
14,600.00	11,950.00	14,216.44	11,480.00	41.31	33.41	-49.50	-2,110.01	1,045.22	723.68	639.96	83.71	8.645	
14,700.00	11,950.00	14,316.44	11,480.00	42.45	33.79	-49.50	-2,210.01	1,045.66	723.67	638.38	85.29	8.485	
14,800.00	11,950.00	14,416.44	11,480.00	43.61	34.17	-49.50	-2,310.01	1,046.10	723.67	636.78	86.89	8.329	
14,900.00	11,950.00	14,516.44	11,480.00	44.79	34.57	-49.50	-2,410.00	1,046.54	723.67	635.17	88.50	8.177	
15,000.00	11,950.00	14,616.44	11,480.00	46.00	34.98	-49.50	-2,510.00	1,046.98	723.67	633.54	90.13	8.029	
15,100.00	11,950.00	14,716.44	11,480.00	47.22	35.40	-49.50	-2,610.00	1,047.41	723.66	631.89	91.77	7.885	
15,200.00	11,950.00	14,816.44	11,480.00	48.45	35.84	-49.50	-2,710.00	1,047.85	723.66	630.23	93.43	7.746	
15,300.00	11,950.00	14,916.44	11,480.00	49.70	36.28	-49.50	-2,810.00	1,048.29	723.66	628.56	95.10	7.610	

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 801H
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 801H	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		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	11,950.00	15,016.44	11,480.00	50.96	36.74	-49.50	-2,910.00	1,048.73	723.66	626.88	96.78	7.477			
15,500.00	11,950.00	15,116.44	11,480.00	52.23	37.20	-49.50	-3,010.00	1,049.17	723.65	625.18	98.47	7.349			
15,600.00	11,950.00	15,216.44	11,480.00	53.51	37.68	-49.50	-3,110.00	1,049.60	723.65	623.47	100.18	7.224			
15,700.00	11,950.00	15,316.44	11,480.00	54.81	38.16	-49.50	-3,210.00	1,050.04	723.65	621.76	101.89	7.102			
15,800.00	11,950.00	15,416.44	11,480.00	56.11	38.65	-49.50	-3,310.00	1,050.48	723.65	620.03	103.62	6.984			
15,900.00	11,950.00	15,516.44	11,480.00	57.42	39.16	-49.50	-3,409.99	1,050.92	723.64	618.29	105.35	6.869			
16,000.00	11,950.00	15,616.44	11,480.00	58.73	39.67	-49.50	-3,509.99	1,051.36	723.64	616.54	107.10	6.757			
16,100.00	11,950.00	15,716.44	11,480.00	60.06	40.19	-49.50	-3,609.99	1,051.79	723.64	614.79	108.85	6.648			
16,200.00	11,950.00	15,816.44	11,480.00	61.39	40.72	-49.50	-3,709.99	1,052.23	723.64	613.03	110.61	6.542			
16,300.00	11,950.00	15,916.44	11,480.00	62.72	41.26	-49.50	-3,809.99	1,052.67	723.63	611.26	112.37	6.439			
16,400.00	11,950.00	16,016.44	11,480.00	64.07	41.80	-49.50	-3,909.99	1,053.11	723.63	609.48	114.15	6.339			
16,500.00	11,950.00	16,116.44	11,480.00	65.41	42.36	-49.50	-4,009.99	1,053.55	723.63	607.70	115.93	6.242			
16,600.00	11,950.00	16,216.44	11,480.00	66.77	42.92	-49.50	-4,109.99	1,053.99	723.62	605.90	117.72	6.147			
16,700.00	11,950.00	16,316.44	11,480.00	68.12	43.48	-49.50	-4,209.99	1,054.42	723.62	604.11	119.52	6.055			
16,800.00	11,950.00	16,416.44	11,480.00	69.48	44.06	-49.50	-4,309.99	1,054.86	723.62	602.30	121.32	5.965			
16,900.00	11,950.00	16,516.44	11,480.00	70.85	44.64	-49.49	-4,409.99	1,055.30	723.62	600.49	123.12	5.877			
17,000.00	11,950.00	16,616.44	11,480.00	72.21	45.22	-49.49	-4,509.98	1,055.74	723.61	598.68	124.94	5.792			
17,100.00	11,950.00	16,716.44	11,480.00	73.59	45.82	-49.49	-4,609.98	1,056.18	723.61	596.86	126.75	5.709			
17,200.00	11,950.00	16,816.44	11,480.00	74.96	46.41	-49.49	-4,709.98	1,056.61	723.61	595.03	128.58	5.628			
17,300.00	11,950.00	16,916.44	11,480.00	76.34	47.02	-49.49	-4,809.98	1,057.05	723.61	593.20	130.40	5.549			
17,400.00	11,950.00	17,016.44	11,480.00	77.72	47.63	-49.49	-4,909.98	1,057.49	723.60	591.37	132.24	5.472			
17,500.00	11,950.00	17,116.44	11,480.00	79.10	48.24	-49.49	-5,009.98	1,057.93	723.60	589.53	134.07	5.397			
17,600.00	11,950.00	17,216.44	11,480.00	80.49	48.86	-49.49	-5,109.98	1,058.37	723.60	587.68	135.92	5.324			
17,700.00	11,950.00	17,316.44	11,480.00	81.88	49.48	-49.49	-5,209.98	1,058.80	723.60	585.84	137.76	5.253			
17,800.00	11,950.00	17,416.44	11,480.00	83.27	50.11	-49.49	-5,309.98	1,059.24	723.59	583.98	139.61	5.183			
17,900.00	11,950.00	17,516.44	11,480.00	84.66	50.74	-49.49	-5,409.98	1,059.68	723.59	582.13	141.46	5.115			
18,000.00	11,950.00	17,616.44	11,480.00	86.05	51.37	-49.49	-5,509.97	1,060.12	723.59	580.27	143.32	5.049			
18,100.00	11,950.00	17,716.44	11,480.00	87.45	52.01	-49.49	-5,609.97	1,060.56	723.59	578.40	145.18	4.984			
18,200.00	11,950.00	17,816.44	11,480.00	88.85	52.66	-49.49	-5,709.97	1,061.00	723.58	576.54	147.04	4.921			
18,300.00	11,950.00	17,916.44	11,480.00	90.25	53.31	-49.49	-5,809.97	1,061.43	723.58	574.67	148.91	4.859			
18,400.00	11,950.00	18,016.44	11,480.00	91.65	53.96	-49.49	-5,909.97	1,061.87	723.58	572.80	150.78	4.799			
18,500.00	11,950.00	18,116.44	11,480.00	93.06	54.61	-49.49	-6,009.97	1,062.31	723.58	570.92	152.66	4.740			
18,600.00	11,950.00	18,216.44	11,480.00	94.46	55.27	-49.49	-6,109.97	1,062.75	723.57	569.04	154.53	4.682			
18,700.00	11,950.00	18,316.44	11,480.00	95.87	55.93	-49.49	-6,209.97	1,063.19	723.57	567.16	156.41	4.626			
18,800.00	11,950.00	18,416.44	11,480.00	97.27	56.59	-49.49	-6,309.97	1,063.62	723.57	565.28	158.29	4.571			
18,900.00	11,950.00	18,516.44	11,480.00	98.68	57.26	-49.49	-6,409.97	1,064.06	723.57	563.39	160.18	4.517			
19,000.00	11,950.00	18,616.44	11,480.00	100.09	57.93	-49.49	-6,509.97	1,064.50	723.56	561.50	162.06	4.465			
19,100.00	11,950.00	18,716.44	11,480.00	101.51	58.60	-49.49	-6,609.96	1,064.94	723.56	559.61	163.95	4.413			
19,200.00	11,950.00	18,816.44	11,480.00	102.92	59.27	-49.49	-6,709.96	1,065.38	723.56	557.71	165.84	4.363			
19,300.00	11,950.00	18,916.44	11,480.00	104.33	59.95	-49.49	-6,809.96	1,065.81	723.55	555.82	167.74	4.314			
19,400.00	11,950.00	19,016.44	11,480.00	105.75	60.63	-49.49	-6,909.96	1,066.25	723.55	553.92	169.64	4.265			
19,500.00	11,950.00	19,116.44	11,480.00	107.16	61.31	-49.49	-7,009.96	1,066.69	723.55	552.02	171.53	4.218			
19,600.00	11,950.00	19,216.44	11,480.00	108.58	62.00	-49.49	-7,109.96	1,067.13	723.55	550.11	173.43	4.172			
19,700.00	11,950.00	19,316.44	11,480.00	110.00	62.68	-49.49	-7,209.96	1,067.57	723.54	548.21	175.34	4.127			
19,800.00	11,950.00	19,416.44	11,480.00	111.42	63.37	-49.49	-7,309.96	1,068.00	723.54	546.30	177.24	4.082			
19,900.00	11,950.00	19,516.44	11,480.00	112.84	64.06	-49.49	-7,409.96	1,068.44	723.54	544.39	179.15	4.039			
20,000.00	11,950.00	19,616.44	11,480.00	114.26	64.75	-49.49	-7,509.96	1,068.88	723.54	542.48	181.05	3.996			
20,100.00	11,950.00	19,716.44	11,480.00	115.68	65.45	-49.49	-7,609.95	1,069.32	723.53	540.57	182.96	3.955			
20,200.00	11,950.00	19,816.44	11,480.00	117.10	66.14	-49.49	-7,709.95	1,069.76	723.53	538.66	184.88	3.914			
20,300.00	11,950.00	19,916.44	11,480.00	118.52	66.84	-49.49	-7,809.95	1,070.20	723.53	536.74	186.79	3.874			
20,400.00	11,950.00	20,016.44	11,480.00	119.94	67.54	-49.49	-7,909.95	1,070.63	723.53	534.82	188.70	3.834			
20,500.00	11,950.00	20,116.44	11,480.00	121.37	68.24	-49.49	-8,009.95	1,071.07	723.52	532.90	190.62	3.796			

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 801H
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 801H	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			Offset Wellbore Centre		Distance			Separation Factor	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)		
20,600.00	11,950.00	20,216.44	11,480.00	122.79	68.94	-49.49	-8,109.95	1,071.51	723.52	530.98	192.54	3.758	
20,700.00	11,950.00	20,316.44	11,480.00	124.22	69.65	-49.49	-8,209.95	1,071.95	723.52	529.06	194.46	3.721	
20,800.00	11,950.00	20,416.44	11,480.00	125.64	70.35	-49.49	-8,309.95	1,072.39	723.52	527.14	196.38	3.684	
20,900.00	11,950.00	20,516.44	11,480.00	127.07	71.06	-49.49	-8,409.95	1,072.82	723.51	525.21	198.30	3.649	
21,000.00	11,950.00	20,616.44	11,480.00	128.50	71.77	-49.49	-8,509.95	1,073.26	723.51	523.29	200.22	3.614	
21,100.00	11,950.00	20,716.44	11,480.00	129.92	72.48	-49.49	-8,609.94	1,073.70	723.51	521.36	202.15	3.579	
21,200.00	11,950.00	20,816.44	11,480.00	131.35	73.19	-49.49	-8,709.94	1,074.14	723.51	519.43	204.07	3.545	
21,300.00	11,950.00	20,916.44	11,480.00	132.78	73.90	-49.49	-8,809.94	1,074.58	723.50	517.50	206.00	3.512	
21,400.00	11,950.00	21,016.44	11,480.00	134.21	74.62	-49.49	-8,909.94	1,075.01	723.50	515.57	207.93	3.480	
21,500.00	11,950.00	21,116.44	11,480.00	135.64	75.33	-49.49	-9,009.94	1,075.45	723.50	513.64	209.86	3.448	
21,600.00	11,950.00	21,216.44	11,480.00	137.07	76.05	-49.49	-9,109.94	1,075.89	723.50	511.71	211.79	3.416	
21,700.00	11,950.00	21,316.44	11,480.00	138.50	76.76	-49.49	-9,209.94	1,076.33	723.49	509.77	213.72	3.385	
21,800.00	11,950.00	21,416.44	11,480.00	139.93	77.48	-49.49	-9,309.94	1,076.77	723.49	507.84	215.66	3.355	
21,900.00	11,950.00	21,516.44	11,480.00	141.36	78.20	-49.49	-9,409.94	1,077.21	723.49	505.90	217.59	3.325	
22,000.00	11,950.00	21,616.44	11,480.00	142.79	78.92	-49.49	-9,509.94	1,077.64	723.49	503.96	219.52	3.296	
22,100.00	11,950.00	21,716.44	11,480.00	144.23	79.64	-49.49	-9,609.94	1,078.08	723.48	502.02	221.46	3.267	
22,200.00	11,950.00	21,816.44	11,480.00	145.66	80.36	-49.49	-9,709.93	1,078.52	723.48	500.08	223.40	3.239	
22,300.00	11,950.00	21,916.44	11,480.00	147.09	81.09	-49.49	-9,809.93	1,078.96	723.48	498.14	225.33	3.211	
22,400.00	11,950.00	22,016.44	11,480.00	148.52	81.81	-49.49	-9,909.93	1,079.40	723.47	496.20	227.27	3.183	
22,500.00	11,950.00	22,116.44	11,480.00	149.96	82.54	-49.49	-10,009.93	1,079.83	723.47	494.26	229.21	3.156	
22,600.00	11,950.00	22,216.44	11,480.00	151.39	83.26	-49.48	-10,109.93	1,080.27	723.47	492.32	231.15	3.130	
22,700.00	11,950.00	22,316.44	11,480.00	152.83	83.99	-49.48	-10,209.93	1,080.71	723.47	490.37	233.10	3.104	
22,800.00	11,950.00	22,416.44	11,480.00	154.26	84.72	-49.48	-10,309.93	1,081.15	723.46	488.43	235.04	3.078	
22,819.99	11,950.00	22,436.41	11,480.00	154.55	84.86	-49.48	-10,329.90	1,081.24	723.46	488.04	235.43	3.073	
22,820.31	11,950.00	22,436.41	11,480.00	154.55	84.86	-49.48	-10,329.90	1,081.24	723.46	488.02	235.44	3.073	

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 801H
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 801H	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 603H - 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	85.91	20.00	280.00	280.71				
100.00	100.00	100.00	100.00	0.66	0.66	85.91	20.00	280.00	280.71	279.40	1.32	213.117	
200.00	200.00	200.00	200.00	1.35	1.35	85.91	20.00	280.00	280.71	278.02	2.70	104.075	
300.00	300.00	300.00	300.00	1.82	1.82	85.91	20.00	280.00	280.71	277.08	3.63	77.243	
400.00	400.00	400.00	400.00	2.19	2.19	85.91	20.00	280.00	280.71	276.33	4.38	64.077	
500.00	500.00	500.00	500.00	2.51	2.51	85.91	20.00	280.00	280.71	275.69	5.02	55.885	
600.00	600.00	600.00	600.00	2.80	2.80	85.91	20.00	280.00	280.71	275.12	5.60	50.157	
700.00	700.00	700.00	700.00	3.06	3.06	85.91	20.00	280.00	280.71	274.59	6.12	45.860	
800.00	800.00	800.00	800.00	3.30	3.30	85.91	20.00	280.00	280.71	274.11	6.61	42.481	
900.00	900.00	900.00	900.00	3.53	3.53	85.91	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	85.91	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	85.91	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	85.91	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	85.91	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	85.91	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	85.91	20.00	280.00	280.71	271.30	9.41	29.832	
1,600.00	1,599.98	1,595.82	1,595.80	5.04	4.90	48.00	18.61	280.80	280.28	270.50	9.78	28.667	
1,700.00	1,699.84	1,691.18	1,691.04	5.69	5.48	49.66	14.48	283.19	279.13	268.75	10.38	26.894	
1,800.00	1,799.45	1,784.74	1,784.29	6.29	5.69	52.30	8.06	287.14	277.82	267.01	10.81	25.709	
1,874.84	1,873.77	1,853.45	1,852.74	6.71	5.81	54.48	3.85	291.47	277.46	266.31	11.15	24.882 CC	
1,900.00	1,898.70	1,876.58	1,875.76	6.86	5.87	55.23	2.65	293.23	277.50	266.24	11.27	24.630 ES	
2,000.00	1,997.47	1,968.59	1,967.30	7.41	6.20	58.28	-1.04	301.72	278.52	266.80	11.73	23.749	
2,100.00	2,095.66	2,060.80	2,058.85	7.70	6.57	61.41	-2.99	312.62	281.08	268.97	12.12	23.197	
2,200.00	2,193.71	2,153.46	2,150.54	7.93	6.88	64.19	-3.18	325.96	286.33	273.71	12.62	22.688	
2,300.00	2,291.75	2,246.49	2,242.19	8.20	7.11	66.43	-1.60	341.76	294.29	281.09	13.20	22.294	
2,400.00	2,389.80	2,339.68	2,333.52	8.48	7.35	68.09	1.78	359.98	304.61	290.81	13.79	22.084	
2,500.00	2,487.85	2,432.85	2,424.23	8.77	7.77	69.19	6.94	380.58	317.03	302.64	14.38	22.041	
2,600.00	2,585.89	2,525.79	2,514.04	9.09	8.24	69.77	13.86	403.47	331.37	316.37	14.99	22.099	
2,700.00	2,683.94	2,618.32	2,602.68	9.41	8.72	69.89	22.49	428.56	347.53	331.93	15.60	22.284	
2,800.00	2,781.99	2,710.24	2,689.88	9.75	9.18	69.61	32.79	455.74	365.47	349.28	16.19	22.568	
2,900.00	2,880.03	2,807.18	2,781.20	10.09	9.46	69.08	44.84	485.95	384.61	367.89	16.72	23.002	
3,000.00	2,978.08	2,905.27	2,873.59	10.45	9.78	68.59	57.06	516.54	403.80	386.50	17.30	23.342	
3,100.00	3,076.13	3,003.35	2,965.98	10.81	10.12	68.15	69.28	547.14	423.02	405.12	17.90	23.633	
3,200.00	3,174.17	3,101.44	3,058.37	11.19	10.47	67.75	81.49	577.73	442.26	423.75	18.52	23.886	
3,300.00	3,272.22	3,199.52	3,150.75	11.57	10.83	67.37	93.71	608.33	461.53	442.38	19.15	24.106	
3,400.00	3,370.27	3,297.61	3,243.14	11.95	11.20	67.03	105.92	638.92	480.80	461.02	19.79	24.297	
3,500.00	3,468.31	3,395.69	3,335.53	12.34	11.58	66.72	118.14	669.52	500.10	479.65	20.44	24.462	
3,600.00	3,566.36	3,493.78	3,427.91	12.74	11.97	66.42	130.36	700.11	519.40	498.30	21.11	24.605	
3,700.00	3,664.41	3,591.86	3,520.30	13.14	12.37	66.15	142.57	730.71	538.72	516.94	21.79	24.728	
3,800.00	3,762.45	3,689.95	3,612.69	13.55	12.78	65.90	154.79	761.30	558.05	535.58	22.47	24.834	
3,900.00	3,860.50	3,788.04	3,705.08	13.96	13.20	65.67	167.01	791.90	577.39	554.23	23.16	24.926	
4,000.00	3,958.55	3,886.12	3,797.46	14.37	13.62	65.45	179.22	822.49	596.74	572.88	23.87	25.004	
4,100.00	4,056.59	3,984.21	3,889.85	14.79	14.04	65.24	191.44	853.09	616.10	591.52	24.57	25.070	
4,200.00	4,154.64	4,082.29	3,982.24	15.21	14.48	65.05	203.66	883.68	635.46	610.17	25.29	25.127	
4,300.00	4,252.69	4,180.38	4,074.63	15.64	14.91	64.86	215.87	914.28	654.83	628.82	26.01	25.175	
4,400.00	4,350.73	4,278.46	4,167.01	16.06	15.36	64.69	228.09	944.87	674.21	647.47	26.74	25.215	
4,500.00	4,448.78	4,376.55	4,259.40	16.49	15.80	64.53	240.30	975.47	693.59	666.12	27.47	25.248	
4,600.00	4,546.83	4,474.63	4,351.79	16.92	16.25	64.38	252.52	1,006.06	712.98	684.77	28.21	25.276	
4,700.00	4,644.87	4,572.72	4,444.18	17.35	16.71	64.23	264.74	1,036.66	732.37	703.42	28.95	25.298	
4,800.00	4,742.92	4,670.80	4,536.56	17.79	17.16	64.09	276.95	1,067.25	751.76	722.07	29.70	25.316	
4,900.00	4,840.97	4,768.89	4,628.95	18.22	17.62	63.96	289.17	1,097.85	771.16	740.72	30.45	25.330	
5,000.00	4,939.01	4,866.97	4,721.34	18.66	18.09	63.84	301.39	1,128.44	790.57	759.37	31.20	25.340	

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 801H
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 801H	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 603H - 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	5,037.06	4,965.06	4,813.73	19.10	18.55	63.72	313.60	1,159.04	809.98	778.02	31.96	25.347	
5,200.00	5,135.11	5,063.14	4,906.11	19.54	19.02	63.61	325.82	1,189.63	829.39	796.67	32.72	25.352	
5,300.00	5,233.15	5,161.23	4,998.50	19.98	19.49	63.50	338.03	1,220.23	848.80	815.32	33.48	25.354	
5,400.00	5,331.20	5,259.32	5,090.89	20.43	19.96	63.39	350.25	1,250.82	868.21	833.97	34.24	25.354	
5,500.00	5,429.25	5,357.40	5,183.28	20.87	20.44	63.30	362.47	1,281.42	887.63	852.62	35.01	25.353	
5,600.00	5,527.29	5,455.49	5,275.66	21.32	20.91	63.20	374.68	1,312.01	907.05	871.27	35.78	25.349	
5,700.00	5,625.34	5,553.57	5,368.05	21.76	21.39	63.11	386.90	1,342.61	926.48	889.92	36.56	25.345	
5,800.00	5,723.39	5,651.66	5,460.44	22.21	21.87	63.02	399.12	1,373.20	945.90	908.57	37.33	25.339	
5,900.00	5,821.43	5,749.74	5,552.83	22.66	22.35	62.94	411.33	1,403.80	965.33	927.22	38.11	25.332	
6,000.00	5,919.48	5,847.83	5,645.21	23.11	22.83	62.86	423.55	1,434.39	984.76	945.87	38.89	25.324	
6,100.00	6,017.75	5,945.78	5,737.48	23.55	23.32	63.02	435.75	1,464.95	1,004.72	965.06	39.66	25.334	
6,200.00	6,116.60	6,043.29	5,829.32	24.06	23.80	63.11	447.89	1,495.36	1,026.23	985.75	40.48	25.353	
6,300.00	6,215.91	6,140.23	5,920.63	24.57	24.28	63.07	459.97	1,525.60	1,049.32	1,008.00	41.31	25.398	
6,400.00	6,315.57	6,236.49	6,011.30	25.04	24.76	62.91	471.96	1,555.63	1,074.04	1,031.88	42.16	25.476	
6,500.00	6,415.45	6,331.94	6,101.20	25.46	25.24	62.65	483.84	1,585.40	1,100.44	1,057.43	43.01	25.587	
6,600.00	6,515.44	6,426.48	6,190.25	25.65	25.71	100.68	495.62	1,614.89	1,128.57	1,084.79	43.78	25.775	
6,700.00	6,615.44	6,520.67	6,278.97	25.69	26.18	99.81	507.35	1,644.27	1,157.51	1,112.98	44.53	25.995	
6,800.00	6,715.44	6,614.86	6,367.69	25.73	26.65	98.97	519.08	1,673.65	1,186.70	1,141.43	45.27	26.213	
6,900.00	6,815.44	6,709.05	6,456.41	25.77	27.13	98.17	530.81	1,703.03	1,216.12	1,170.11	46.01	26.434	
7,000.00	6,915.44	6,803.25	6,545.13	25.82	27.60	97.41	542.54	1,732.41	1,245.74	1,199.01	46.73	26.656	
7,100.00	7,015.44	6,897.44	6,633.85	25.86	28.07	96.69	554.28	1,761.79	1,275.56	1,228.11	47.45	26.880	
7,200.00	7,115.44	6,991.63	6,722.57	25.90	28.55	95.99	566.01	1,791.17	1,305.57	1,257.40	48.17	27.104	
7,300.00	7,215.44	7,085.82	6,811.29	25.95	29.03	95.33	577.74	1,820.55	1,335.74	1,286.87	48.88	27.329	
7,400.00	7,315.44	7,180.01	6,900.01	25.99	29.50	94.69	589.47	1,849.93	1,366.08	1,316.50	49.58	27.554	
7,500.00	7,415.44	7,274.20	6,988.73	26.03	29.98	94.09	601.20	1,879.31	1,396.56	1,346.29	50.28	27.778	
7,600.00	7,515.44	7,368.39	7,077.44	26.08	30.46	93.51	612.93	1,908.69	1,427.18	1,376.22	50.97	28.002	
7,700.00	7,615.44	7,462.58	7,166.16	26.12	30.94	92.95	624.66	1,938.07	1,457.94	1,406.29	51.65	28.225	
7,800.00	7,715.44	7,556.77	7,254.88	26.17	31.42	92.41	636.39	1,967.45	1,488.81	1,436.48	52.33	28.448	
7,900.00	7,815.44	7,707.90	7,397.99	26.21	32.20	91.63	654.39	2,012.52	1,518.69	1,465.31	53.38	28.449	
8,000.00	7,915.44	7,898.70	7,581.91	26.26	33.27	90.87	673.17	2,059.55	1,543.28	1,488.70	54.57	28.280	
8,100.00	8,015.44	8,095.78	7,774.99	26.30	34.31	90.31	687.76	2,096.08	1,561.80	1,506.31	55.49	28.146	
8,200.00	8,115.44	8,297.53	7,974.95	26.35	35.30	89.94	697.55	2,120.62	1,573.98	1,517.89	56.10	28.059	
8,300.00	8,215.44	8,502.04	8,179.05	26.39	36.13	89.78	702.13	2,132.09	1,579.61	1,523.29	56.32	28.049	
8,400.00	8,315.44	8,638.44	8,315.44	26.44	36.26	89.77	702.46	2,132.91	1,580.00	1,523.78	56.22	28.103	
8,500.00	8,415.44	8,738.44	8,415.44	26.48	36.29	89.77	702.46	2,132.91	1,580.00	1,523.70	56.30	28.064	
8,600.00	8,515.44	8,838.44	8,515.44	26.53	36.31	89.77	702.46	2,132.91	1,580.00	1,523.62	56.38	28.024	
8,700.00	8,615.44	8,938.44	8,615.44	26.57	36.34	89.77	702.46	2,132.91	1,580.00	1,523.54	56.46	27.984	
8,800.00	8,715.44	9,038.44	8,715.44	26.62	36.37	89.77	702.46	2,132.91	1,580.00	1,523.46	56.54	27.944	
8,900.00	8,815.44	9,138.44	8,815.44	26.67	36.39	89.77	702.46	2,132.91	1,580.00	1,523.38	56.62	27.904	
9,000.00	8,915.44	9,238.44	8,915.44	26.71	36.42	89.77	702.46	2,132.91	1,580.00	1,523.30	56.70	27.864	
9,100.00	9,015.44	9,338.44	9,015.44	26.76	36.45	89.77	702.46	2,132.91	1,580.00	1,523.22	56.79	27.824	
9,200.00	9,115.44	9,438.44	9,115.44	26.81	36.47	89.77	702.46	2,132.91	1,580.00	1,523.13	56.87	27.783	
9,300.00	9,215.44	9,538.44	9,215.44	26.85	36.50	89.77	702.46	2,132.91	1,580.00	1,523.05	56.95	27.743	
9,400.00	9,315.44	9,638.44	9,315.44	26.90	36.53	89.77	702.46	2,132.91	1,580.00	1,522.97	57.03	27.703	
9,500.00	9,415.44	9,738.44	9,415.44	26.95	36.56	89.77	702.46	2,132.91	1,580.00	1,522.89	57.12	27.662	
9,600.00	9,515.44	9,838.44	9,515.44	27.00	36.58	89.77	702.46	2,132.91	1,580.00	1,522.80	57.20	27.622	
9,700.00	9,615.44	9,938.44	9,615.44	27.04	36.61	89.77	702.46	2,132.91	1,580.00	1,522.72	57.29	27.581	
9,800.00	9,715.44	10,038.44	9,715.44	27.09	36.64	89.77	702.46	2,132.91	1,580.00	1,522.63	57.37	27.541	
9,900.00	9,815.44	10,138.44	9,815.44	27.14	36.67	89.77	702.46	2,132.91	1,580.00	1,522.55	57.45	27.500	
10,000.00	9,915.44	10,238.44	9,915.44	27.19	36.70	89.77	702.46	2,132.91	1,580.00	1,522.46	57.54	27.460	
10,100.00	10,015.44	10,338.44	10,015.44	27.24	36.73	89.77	702.46	2,132.91	1,580.00	1,522.38	57.62	27.419	
10,200.00	10,115.44	10,438.44	10,115.44	27.28	36.76	89.77	702.46	2,132.91	1,580.00	1,522.29	57.71	27.378	

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 801H
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 801H	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 603H - 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	10,215.44	10,538.44	10,215.44	27.33	36.78	89.77	702.46	2,132.91	1,580.00	1,522.21	57.80	27.338	
10,400.00	10,315.44	10,638.44	10,315.44	27.38	36.81	89.77	702.46	2,132.91	1,580.00	1,522.12	57.88	27.297	
10,500.00	10,415.44	10,738.44	10,415.44	27.43	36.84	89.77	702.46	2,132.91	1,580.00	1,522.03	57.97	27.256	
10,600.00	10,515.44	10,838.44	10,515.44	27.48	36.87	89.77	702.46	2,132.91	1,580.00	1,521.95	58.06	27.215	
10,700.00	10,615.44	10,938.44	10,615.44	27.53	36.90	89.77	702.46	2,132.91	1,580.00	1,521.86	58.14	27.174	
10,800.00	10,715.44	11,038.44	10,715.44	27.58	36.93	89.77	702.46	2,132.91	1,580.00	1,521.77	58.23	27.134	
10,900.00	10,815.44	11,138.44	10,815.44	27.63	36.96	89.77	702.46	2,132.91	1,580.00	1,521.69	58.32	27.093	
10,913.81	10,829.25	11,152.25	10,829.25	27.63	36.97	89.77	702.46	2,132.91	1,580.00	1,521.67	58.33	27.087	
11,000.00	10,915.44	11,238.43	10,915.43	27.68	36.98	89.77	702.40	2,132.91	1,580.00	1,521.60	58.40	27.055	
11,000.02	10,915.46	11,238.45	10,915.46	27.68	36.98	89.77	702.40	2,132.91	1,580.00	1,521.60	58.40	27.055	
11,100.00	11,015.44	11,337.09	11,013.47	27.73	36.89	90.13	692.49	2,132.95	1,580.04	1,521.68	58.36	27.074	
11,200.00	11,115.44	11,429.77	11,102.76	27.78	36.78	91.01	668.00	2,133.06	1,580.44	1,522.22	58.22	27.144	
11,300.00	11,215.44	11,512.77	11,178.44	27.83	36.67	92.24	634.11	2,133.21	1,581.93	1,523.85	58.08	27.236	
11,400.00	11,315.44	11,584.64	11,239.43	27.88	36.57	93.61	596.19	2,133.38	1,585.43	1,527.43	58.00	27.337	
11,500.00	11,415.41	11,650.00	11,290.40	27.87	36.49	-90.06	555.32	2,133.55	1,591.81	1,533.88	57.92	27.481	
11,600.00	11,514.10	11,700.00	11,326.05	27.76	36.43	-88.05	520.29	2,133.71	1,601.41	1,543.38	58.03	27.594	
11,700.00	11,608.62	11,762.09	11,365.86	27.61	36.37	-85.67	472.68	2,133.92	1,613.55	1,555.46	58.10	27.774	
11,800.00	11,696.11	11,818.60	11,397.42	27.44	36.32	-83.38	425.83	2,134.12	1,627.42	1,569.10	58.32	27.907	
11,900.00	11,773.90	11,874.49	11,423.95	27.26	36.28	-81.17	376.66	2,134.34	1,642.20	1,583.55	58.64	28.003	
12,000.00	11,839.63	11,929.92	11,445.40	27.11	36.26	-79.12	325.58	2,134.56	1,657.13	1,598.04	59.08	28.048	
12,100.00	11,891.31	11,985.01	11,461.74	26.99	36.25	-77.28	272.99	2,134.79	1,671.52	1,611.89	59.63	28.033	
12,200.00	11,927.36	12,050.00	11,474.42	26.93	36.25	-75.69	209.28	2,135.07	1,684.83	1,624.65	60.18	27.998	
12,300.00	11,946.69	12,100.00	11,479.21	26.94	36.27	-74.49	159.53	2,135.29	1,696.41	1,635.50	60.92	27.848	
12,400.00	11,950.00	12,165.05	11,480.00	27.04	36.30	-73.95	94.50	2,135.57	1,705.97	1,644.41	61.56	27.713	
12,500.00	11,950.00	12,264.81	11,480.00	27.20	36.38	-74.05	-5.27	2,136.01	1,712.48	1,650.40	62.08	27.586	
12,600.00	11,950.00	12,364.75	11,480.00	27.41	36.48	-74.10	-105.21	2,136.45	1,715.64	1,652.89	62.75	27.342	
12,700.00	11,950.00	12,464.75	11,480.00	27.64	36.59	-74.10	-205.21	2,136.89	1,715.96	1,652.55	63.42	27.059	
12,800.00	11,950.00	12,564.75	11,480.00	27.90	36.72	-74.10	-305.20	2,137.32	1,715.96	1,651.80	64.16	26.743	
12,900.00	11,950.00	12,664.75	11,480.00	28.21	36.86	-74.10	-405.20	2,137.76	1,715.96	1,650.96	65.00	26.401	
13,000.00	11,950.00	12,764.75	11,480.00	28.56	37.02	-74.10	-505.20	2,138.20	1,715.95	1,650.05	65.91	26.037	
13,100.00	11,950.00	12,864.75	11,480.00	28.96	37.19	-74.10	-605.20	2,138.64	1,715.95	1,649.06	66.89	25.655	
13,200.00	11,950.00	12,964.75	11,480.00	29.41	37.37	-74.10	-705.20	2,139.08	1,715.95	1,648.01	67.93	25.259	
13,300.00	11,950.00	13,064.75	11,480.00	29.92	37.57	-74.10	-805.20	2,139.52	1,715.94	1,646.90	69.05	24.852	
13,400.00	11,950.00	13,164.75	11,480.00	30.49	37.78	-74.10	-905.20	2,139.95	1,715.94	1,645.73	70.21	24.438	
13,500.00	11,950.00	13,264.75	11,480.00	31.11	38.01	-74.10	-1,005.20	2,140.39	1,715.94	1,644.50	71.44	24.020	
13,600.00	11,950.00	13,364.75	11,480.00	31.80	38.24	-74.10	-1,105.20	2,140.83	1,715.93	1,643.22	72.71	23.599	
13,700.00	11,950.00	13,464.75	11,480.00	32.54	38.49	-74.10	-1,205.20	2,141.27	1,715.93	1,641.90	74.03	23.178	
13,800.00	11,950.00	13,564.75	11,480.00	33.34	38.76	-74.10	-1,305.20	2,141.71	1,715.93	1,640.53	75.40	22.758	
13,900.00	11,950.00	13,664.75	11,480.00	34.19	39.03	-74.10	-1,405.19	2,142.14	1,715.92	1,639.12	76.80	22.342	
14,000.00	11,950.00	13,764.75	11,480.00	35.09	39.31	-74.10	-1,505.19	2,142.58	1,715.92	1,637.68	78.24	21.931	
14,100.00	11,950.00	13,864.75	11,480.00	36.03	39.61	-74.10	-1,605.19	2,143.02	1,715.92	1,636.20	79.72	21.524	
14,200.00	11,950.00	13,964.75	11,480.00	37.02	39.92	-74.10	-1,705.19	2,143.46	1,715.91	1,634.69	81.23	21.124	
14,300.00	11,950.00	14,064.75	11,480.00	38.04	40.24	-74.10	-1,805.19	2,143.90	1,715.91	1,633.14	82.77	20.731	
14,400.00	11,950.00	14,164.75	11,480.00	39.10	40.57	-74.10	-1,905.19	2,144.33	1,715.91	1,631.57	84.34	20.346	
14,500.00	11,950.00	14,264.75	11,480.00	40.19	40.90	-74.10	-2,005.19	2,144.77	1,715.90	1,629.98	85.93	19.969	
14,600.00	11,950.00	14,364.75	11,480.00	41.31	41.25	-74.10	-2,105.19	2,145.21	1,715.90	1,628.35	87.55	19.600	
14,700.00	11,950.00	14,464.75	11,480.00	42.45	41.61	-74.10	-2,205.19	2,145.65	1,715.90	1,626.71	89.19	19.239	
14,800.00	11,950.00	14,564.75	11,480.00	43.61	41.98	-74.10	-2,305.19	2,146.09	1,715.90	1,625.04	90.85	18.887	
14,900.00	11,950.00	14,664.75	11,480.00	44.79	42.36	-74.10	-2,405.18	2,146.53	1,715.89	1,623.36	92.54	18.543	
15,000.00	11,950.00	14,764.75	11,480.00	46.00	42.75	-74.10	-2,505.18	2,146.96	1,715.89	1,621.65	94.24	18.208	
15,100.00	11,950.00	14,864.75	11,480.00	47.22	43.15	-74.10	-2,605.18	2,147.40	1,715.89	1,619.93	95.96	17.881	
15,200.00	11,950.00	14,964.75	11,480.00	48.45	43.55	-74.10	-2,705.18	2,147.84	1,715.88	1,618.18	97.70	17.563	

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 801H
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 801H	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 603H - 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)			
15,300.00	11,950.00	15,064.75	11,480.00	49.70	43.97	-74.10	-2,805.18	2,148.28	1,715.88	1,616.43	99.45	17.253	
15,400.00	11,950.00	15,164.75	11,480.00	50.96	44.39	-74.10	-2,905.18	2,148.72	1,715.88	1,614.65	101.22	16.952	
15,500.00	11,950.00	15,264.75	11,480.00	52.23	44.82	-74.10	-3,005.18	2,149.15	1,715.87	1,612.87	103.00	16.658	
15,600.00	11,950.00	15,364.75	11,480.00	53.51	45.26	-74.10	-3,105.18	2,149.59	1,715.87	1,611.07	104.80	16.372	
15,700.00	11,950.00	15,464.75	11,480.00	54.81	45.71	-74.10	-3,205.18	2,150.03	1,715.87	1,609.25	106.61	16.094	
15,800.00	11,950.00	15,564.75	11,480.00	56.11	46.16	-74.10	-3,305.18	2,150.47	1,715.86	1,607.43	108.44	15.824	
15,900.00	11,950.00	15,664.75	11,480.00	57.42	46.62	-74.10	-3,405.18	2,150.91	1,715.86	1,605.59	110.27	15.561	
16,000.00	11,950.00	15,764.75	11,480.00	58.73	47.09	-74.10	-3,505.17	2,151.34	1,715.86	1,603.74	112.12	15.304	
16,100.00	11,950.00	15,864.75	11,480.00	60.06	47.57	-74.10	-3,605.17	2,151.78	1,715.85	1,601.88	113.97	15.055	
16,200.00	11,950.00	15,964.75	11,480.00	61.39	48.05	-74.10	-3,705.17	2,152.22	1,715.85	1,600.01	115.84	14.812	
16,300.00	11,950.00	16,064.75	11,480.00	62.72	48.54	-74.10	-3,805.17	2,152.66	1,715.85	1,598.13	117.71	14.576	
16,400.00	11,950.00	16,164.75	11,480.00	64.07	49.04	-74.10	-3,905.17	2,153.10	1,715.84	1,596.24	119.60	14.346	
16,500.00	11,950.00	16,264.75	11,480.00	65.41	49.54	-74.10	-4,005.17	2,153.54	1,715.84	1,594.35	121.49	14.123	
16,600.00	11,950.00	16,364.75	11,480.00	66.77	50.05	-74.10	-4,105.17	2,153.97	1,715.84	1,592.44	123.40	13.905	
16,700.00	11,950.00	16,464.75	11,480.00	68.12	50.57	-74.10	-4,205.17	2,154.41	1,715.83	1,590.52	125.31	13.693	
16,800.00	11,950.00	16,564.75	11,480.00	69.48	51.09	-74.10	-4,305.17	2,154.85	1,715.83	1,588.60	127.23	13.486	
16,900.00	11,950.00	16,664.75	11,480.00	70.85	51.62	-74.10	-4,405.17	2,155.29	1,715.83	1,586.67	129.15	13.285	
17,000.00	11,950.00	16,764.75	11,480.00	72.21	52.15	-74.10	-4,505.16	2,155.73	1,715.82	1,584.74	131.09	13.089	
17,100.00	11,950.00	16,864.75	11,480.00	73.59	52.69	-74.10	-4,605.16	2,156.16	1,715.82	1,582.79	133.03	12.898	
17,200.00	11,950.00	16,964.75	11,480.00	74.96	53.23	-74.10	-4,705.16	2,156.60	1,715.82	1,580.84	134.97	12.712	
17,300.00	11,950.00	17,064.75	11,480.00	76.34	53.78	-74.10	-4,805.16	2,157.04	1,715.81	1,578.89	136.93	12.531	
17,400.00	11,950.00	17,164.75	11,480.00	77.72	54.34	-74.10	-4,905.16	2,157.48	1,715.81	1,576.92	138.89	12.354	
17,500.00	11,950.00	17,264.75	11,480.00	79.10	54.90	-74.10	-5,005.16	2,157.92	1,715.81	1,574.96	140.85	12.182	
17,600.00	11,950.00	17,364.75	11,480.00	80.49	55.46	-74.10	-5,105.16	2,158.35	1,715.80	1,572.98	142.82	12.014	
17,700.00	11,950.00	17,464.75	11,480.00	81.88	56.03	-74.10	-5,205.16	2,158.79	1,715.80	1,571.00	144.80	11.850	
17,800.00	11,950.00	17,564.75	11,480.00	83.27	56.60	-74.10	-5,305.16	2,159.23	1,715.80	1,569.02	146.78	11.690	
17,900.00	11,950.00	17,664.75	11,480.00	84.66	57.18	-74.10	-5,405.16	2,159.67	1,715.79	1,567.03	148.76	11.534	
18,000.00	11,950.00	17,764.75	11,480.00	86.05	57.76	-74.10	-5,505.16	2,160.11	1,715.79	1,565.03	150.76	11.381	
18,100.00	11,950.00	17,864.75	11,480.00	87.45	58.35	-74.10	-5,605.15	2,160.55	1,715.79	1,563.04	152.75	11.233	
18,200.00	11,950.00	17,964.75	11,480.00	88.85	58.94	-74.10	-5,705.15	2,160.98	1,715.78	1,561.03	154.75	11.087	
18,300.00	11,950.00	18,064.75	11,480.00	90.25	59.53	-74.10	-5,805.15	2,161.42	1,715.78	1,559.02	156.76	10.946	
18,400.00	11,950.00	18,164.75	11,480.00	91.65	60.13	-74.10	-5,905.15	2,161.86	1,715.78	1,557.01	158.77	10.807	
18,500.00	11,950.00	18,264.75	11,480.00	93.06	60.73	-74.10	-6,005.15	2,162.30	1,715.77	1,555.00	160.78	10.672	
18,600.00	11,950.00	18,364.75	11,480.00	94.46	61.34	-74.10	-6,105.15	2,162.74	1,715.77	1,552.98	162.80	10.539	
18,700.00	11,950.00	18,464.75	11,480.00	95.87	61.94	-74.10	-6,205.15	2,163.17	1,715.77	1,550.95	164.82	10.410	
18,800.00	11,950.00	18,564.75	11,480.00	97.27	62.56	-74.10	-6,305.15	2,163.61	1,715.76	1,548.92	166.84	10.284	
18,900.00	11,950.00	18,664.75	11,480.00	98.68	63.17	-74.10	-6,405.15	2,164.05	1,715.76	1,546.89	168.87	10.160	
19,000.00	11,950.00	18,764.75	11,480.00	100.09	63.79	-74.10	-6,505.15	2,164.49	1,715.76	1,544.86	170.90	10.040	
19,100.00	11,950.00	18,864.75	11,480.00	101.51	64.41	-74.10	-6,605.14	2,164.93	1,715.75	1,542.82	172.93	9.921	
19,200.00	11,950.00	18,964.75	11,480.00	102.92	65.04	-74.10	-6,705.14	2,165.36	1,715.75	1,540.78	174.97	9.806	
19,300.00	11,950.00	19,064.75	11,480.00	104.33	65.67	-74.10	-6,805.14	2,165.80	1,715.75	1,538.74	177.01	9.693	
19,400.00	11,950.00	19,164.75	11,480.00	105.75	66.30	-74.10	-6,905.14	2,166.24	1,715.75	1,536.69	179.06	9.582	
19,500.00	11,950.00	19,264.75	11,480.00	107.16	66.93	-74.10	-7,005.14	2,166.68	1,715.74	1,534.64	181.10	9.474	
19,600.00	11,950.00	19,364.75	11,480.00	108.58	67.57	-74.10	-7,105.14	2,167.12	1,715.74	1,532.58	183.15	9.368	
19,700.00	11,950.00	19,464.75	11,480.00	110.00	68.21	-74.10	-7,205.14	2,167.56	1,715.74	1,530.53	185.21	9.264	
19,800.00	11,950.00	19,564.75	11,480.00	111.42	68.85	-74.10	-7,305.14	2,167.99	1,715.73	1,528.47	187.26	9.162	
19,900.00	11,950.00	19,664.75	11,480.00	112.84	69.50	-74.10	-7,405.14	2,168.43	1,715.73	1,526.41	189.32	9.063	
20,000.00	11,950.00	19,764.75	11,480.00	114.26	70.14	-74.10	-7,505.14	2,168.87	1,715.73	1,524.35	191.38	8.965	
20,100.00	11,950.00	19,864.75	11,480.00	115.68	70.79	-74.10	-7,605.14	2,169.31	1,715.72	1,522.28	193.44	8.869	
20,200.00	11,950.00	19,964.75	11,480.00	117.10	71.44	-74.10	-7,705.13	2,169.75	1,715.72	1,520.21	195.51	8.776	
20,300.00	11,950.00	20,064.75	11,480.00	118.52	72.10	-74.10	-7,805.13	2,170.18	1,715.72	1,518.14	197.58	8.684	
20,400.00	11,950.00	20,164.75	11,480.00	119.94	72.76	-74.10	-7,905.13	2,170.62	1,715.71	1,516.07	199.64	8.594	

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 801H
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 801H	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 603H - 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)			
20,500.00	11,950.00	20,264.75	11,480.00	121.37	73.41	-74.10	-8,005.13	2,171.06	1,715.71	1,513.99	201.72	8.506	
20,600.00	11,950.00	20,364.75	11,480.00	122.79	74.08	-74.10	-8,105.13	2,171.50	1,715.71	1,511.92	203.79	8.419	
20,700.00	11,950.00	20,464.75	11,480.00	124.22	74.74	-74.10	-8,205.13	2,171.94	1,715.70	1,509.84	205.87	8.334	
20,800.00	11,950.00	20,564.75	11,480.00	125.64	75.40	-74.10	-8,305.13	2,172.37	1,715.70	1,507.75	207.95	8.251	
20,900.00	11,950.00	20,664.75	11,480.00	127.07	76.07	-74.10	-8,405.13	2,172.81	1,715.70	1,505.67	210.03	8.169	
21,000.00	11,950.00	20,764.75	11,480.00	128.50	76.74	-74.10	-8,505.13	2,173.25	1,715.69	1,503.59	212.11	8.089	
21,100.00	11,950.00	20,864.75	11,480.00	129.92	77.41	-74.10	-8,605.13	2,173.69	1,715.69	1,501.50	214.19	8.010	
21,200.00	11,950.00	20,964.75	11,480.00	131.35	78.08	-74.10	-8,705.12	2,174.13	1,715.69	1,499.41	216.28	7.933	
21,300.00	11,950.00	21,064.75	11,480.00	132.78	78.76	-74.10	-8,805.12	2,174.57	1,715.68	1,497.32	218.36	7.857	
21,400.00	11,950.00	21,164.75	11,480.00	134.21	79.43	-74.10	-8,905.12	2,175.00	1,715.68	1,495.23	220.45	7.783	
21,500.00	11,950.00	21,264.75	11,480.00	135.64	80.11	-74.10	-9,005.12	2,175.44	1,715.68	1,493.13	222.54	7.709	
21,600.00	11,950.00	21,364.75	11,480.00	137.07	80.79	-74.10	-9,105.12	2,175.88	1,715.67	1,491.04	224.64	7.638	
21,700.00	11,950.00	21,464.75	11,480.00	138.50	81.47	-74.10	-9,205.12	2,176.32	1,715.67	1,488.94	226.73	7.567	
21,800.00	11,950.00	21,564.75	11,480.00	139.93	82.15	-74.10	-9,305.12	2,176.76	1,715.67	1,486.84	228.83	7.498	
21,900.00	11,950.00	21,664.75	11,480.00	141.36	82.84	-74.10	-9,405.12	2,177.19	1,715.66	1,484.74	230.92	7.430	
22,000.00	11,950.00	21,764.75	11,480.00	142.79	83.52	-74.10	-9,505.12	2,177.63	1,715.66	1,482.64	233.02	7.363	
22,100.00	11,950.00	21,864.75	11,480.00	144.23	84.21	-74.10	-9,605.12	2,178.07	1,715.66	1,480.54	235.12	7.297	
22,200.00	11,950.00	21,964.75	11,480.00	145.66	84.90	-74.10	-9,705.11	2,178.51	1,715.65	1,478.43	237.22	7.232	
22,300.00	11,950.00	22,064.75	11,480.00	147.09	85.59	-74.10	-9,805.11	2,178.95	1,715.65	1,476.33	239.32	7.169	
22,400.00	11,950.00	22,164.75	11,480.00	148.52	86.28	-74.10	-9,905.11	2,179.38	1,715.65	1,474.22	241.43	7.106	
22,500.00	11,950.00	22,264.75	11,480.00	149.96	86.97	-74.10	-10,005.11	2,179.82	1,715.64	1,472.11	243.53	7.045	
22,600.00	11,950.00	22,364.75	11,480.00	151.39	87.67	-74.10	-10,105.11	2,180.26	1,715.64	1,470.00	245.64	6.984	
22,700.00	11,950.00	22,464.75	11,480.00	152.83	88.36	-74.10	-10,205.11	2,180.70	1,715.64	1,467.89	247.75	6.925	
22,800.00	11,950.00	22,564.75	11,480.00	154.26	89.06	-74.10	-10,305.11	2,181.14	1,715.63	1,465.78	249.86	6.866	
22,818.64	11,950.00	22,583.39	11,480.00	154.53	89.19	-74.10	-10,323.75	2,181.22	1,715.63	1,465.39	250.25	6.856	
22,820.31	11,950.00	22,584.05	11,480.00	154.55	89.19	-74.10	-10,324.41	2,181.22	1,715.63	1,465.34	250.29	6.855 SF	

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



Anticollision Report

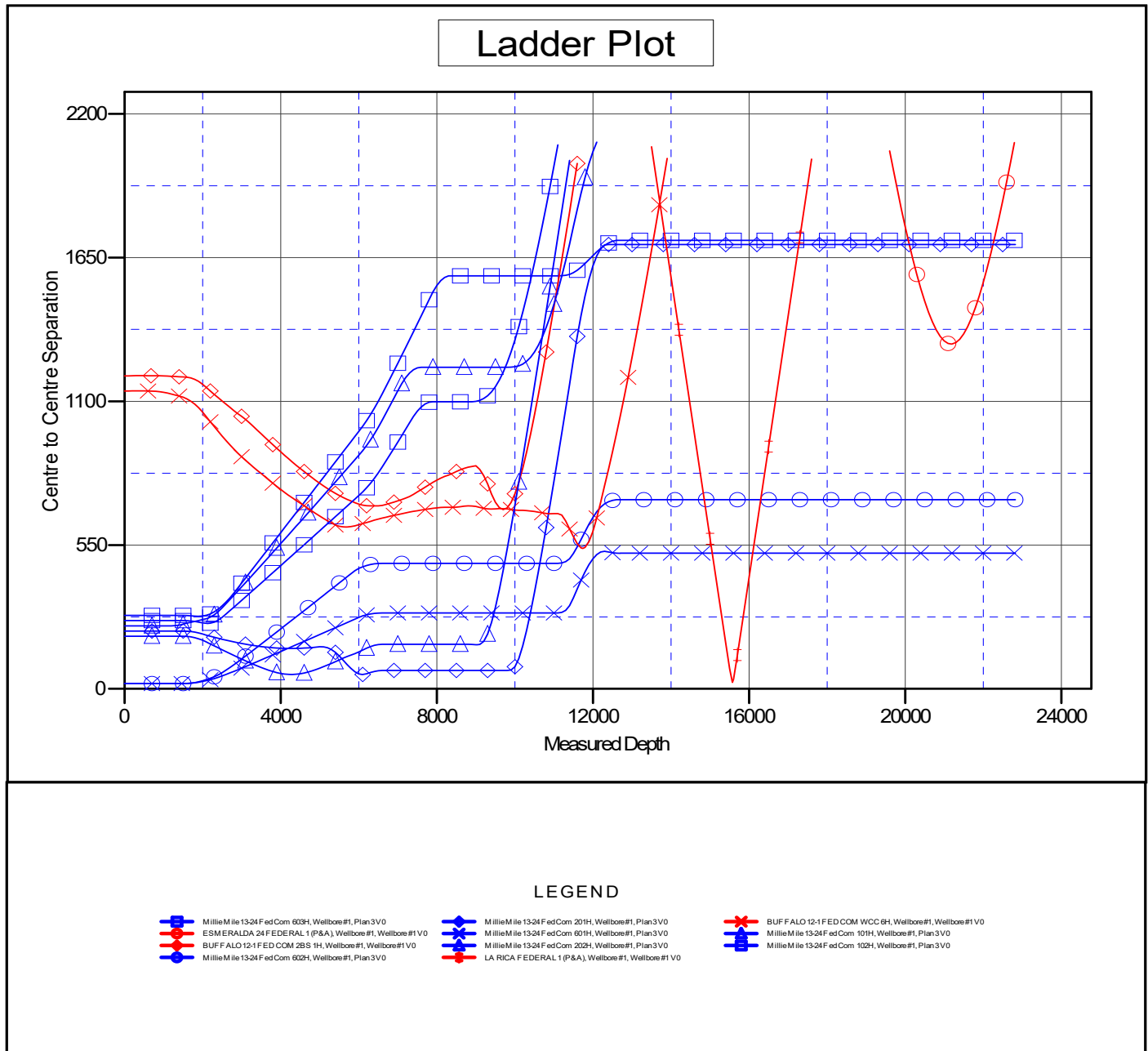


E. G. L. Resources, Inc.

Company:	E.G.L. Resources, Inc.	Local Co-ordinate Reference:	Well Millie Mile 13-24 Fed Com 801H
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 801H	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 801H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.38°



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 801H
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 801H	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

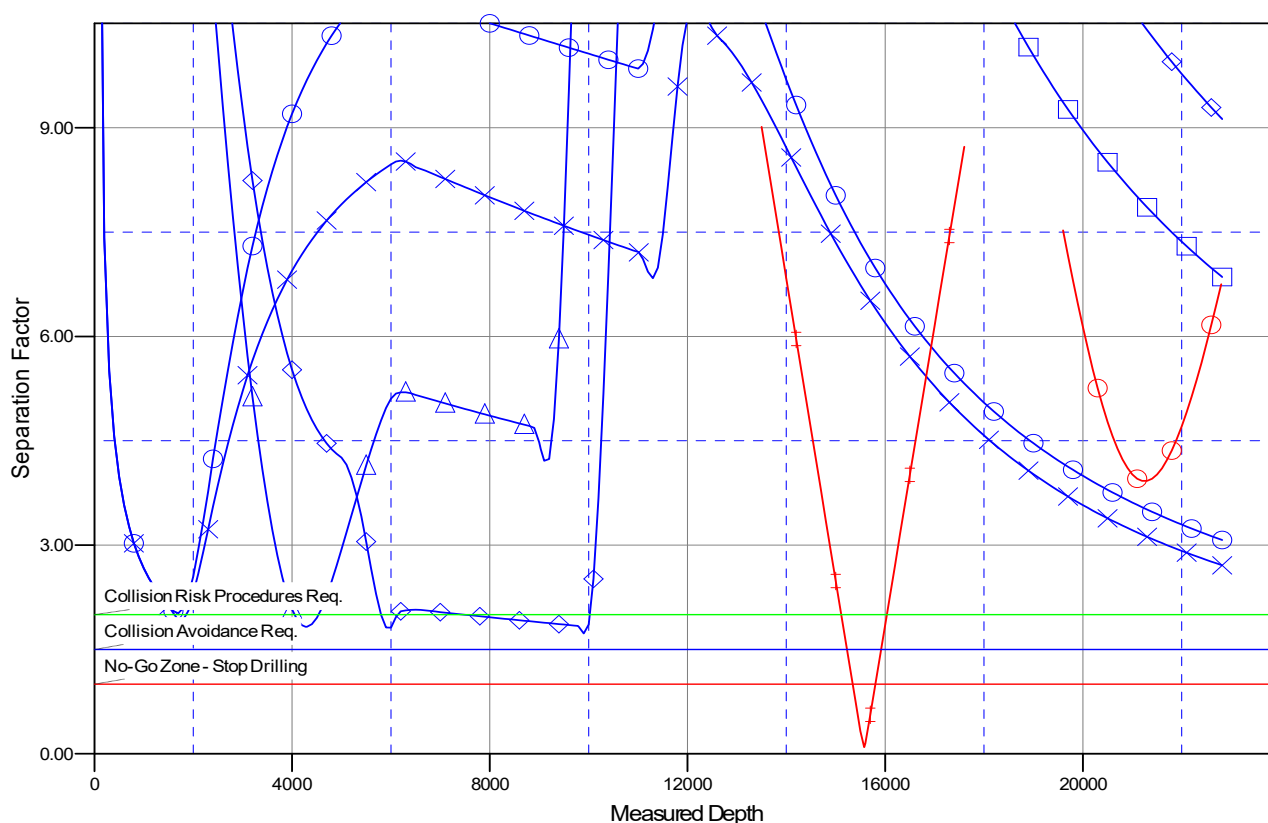
Central Meridian is -104.33333334

Coordinates are relative to: Millie Mile 13-24 Fed Com 801H

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

Grid Convergence at Surface is: 0.38°

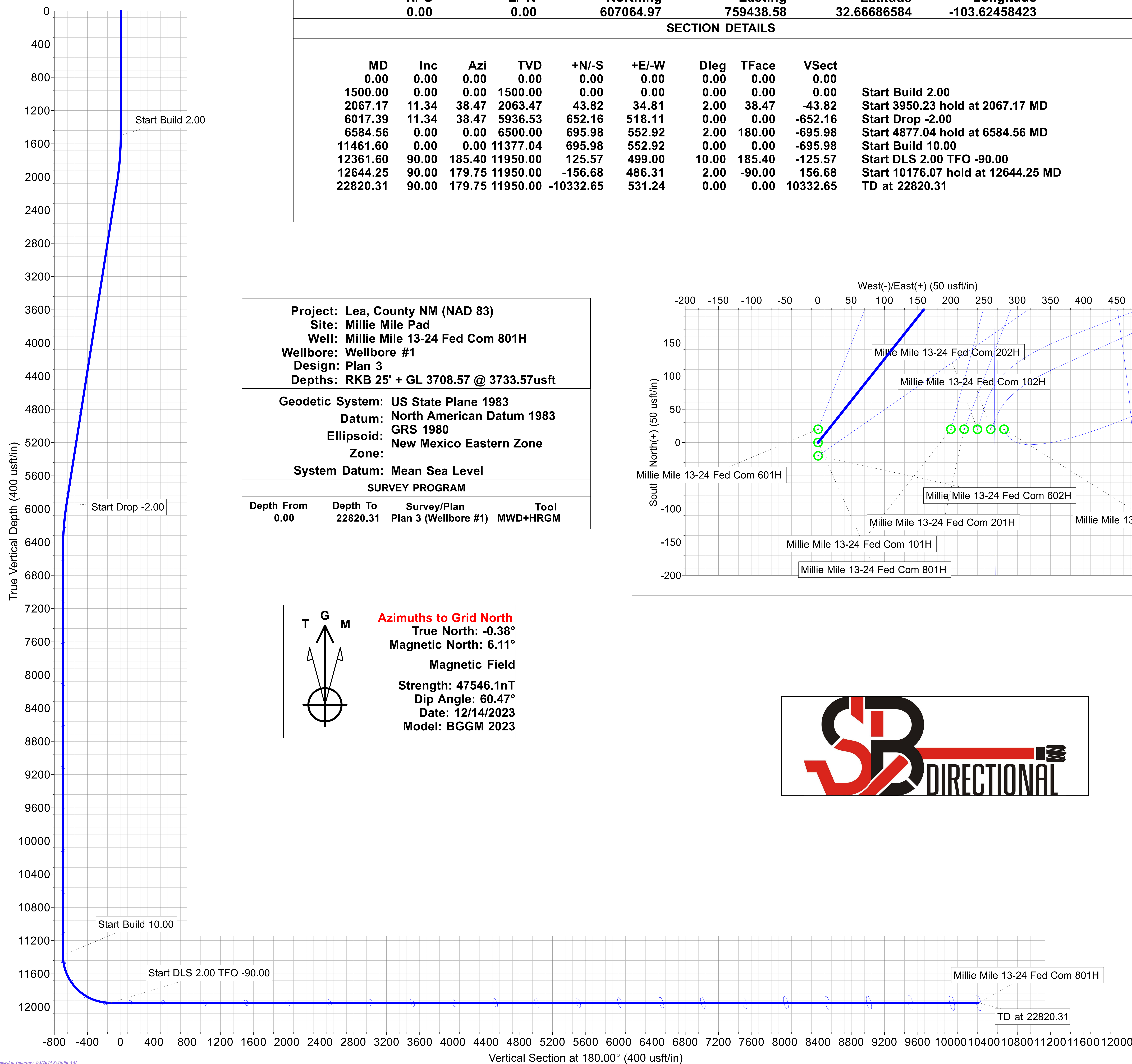
Separation Factor Plot



LEGEND

- Millie Mile 13-24 Fed Com 803H, Wellbore #1, Plan 3 V0
- ESMERALDA 24 FEDERAL 1 (P&A), Wellbore #1, Wellbore #1 V0
- BUFFALO 12-1 FED COM 2BS 1H, Wellbore #1, Wellbore #1 V0
- Millie Mile 13-24 Fed Com 602H, Wellbore #1, Plan 3 V0
- Millie Mile 13-24 Fed Com 201H, Wellbore #1, Plan 3 V0
- Millie Mile 13-24 Fed Com 601H, Wellbore #1, Plan 3 V0
- Millie Mile 13-24 Fed Com 202H, Wellbore #1, Plan 3 V0
- LA RICA FEDERAL 1 (P&A), Wellbore #1, Wellbore #1 V0
- BUFFALO 12-1 FED COM WCC 6H, Wellbore #1, Wellbore #1 V0
- Millie Mile 13-24 Fed Com 101H, Wellbore #1, Plan 3 V0
- Millie Mile 13-24 Fed Com 102H, Wellbore #1, Plan 3 V0

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



Millie Mile 13-24 Fed Com 801H									
WELL DETAILS: Millie Mile 13-24 Fed Com 801H									
ELEVATION: RKB 25' + GL 3708.57 @ 3733.57usft									
+N/-S		+E/-W		Northing		Easting		Latitude	Longitude
0.00		0.00		607064.97		759438.58		32.66686584	-103.62458423
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
2067.17	11.34	38.47	2063.47	43.82	34.81	2.00	38.47	-43.82	Start 3950.23 hold at 2067.17 MD
6017.39	11.34	38.47	5936.53	652.16	518.11	0.00	0.00	-652.16	Start Drop -2.00
6584.56	0.00	0.00	6500.00	695.98	552.92	2.00	180.00	-695.98	Start 4877.04 hold at 6584.56 MD
11461.60	0.00	0.00	11377.04	695.98	552.92	0.00	0.00	-695.98	Start Build 10.00
12361.60	90.00	185.40	11950.00	125.57	499.00	10.00	185.40	-125.57	Start DLS 2.00 TFO -90.00
12644.25	90.00	179.75	11950.00	-156.68	486.31	2.00	-90.00	156.68	Start 10176.07 hold at 12644.25 MD
22820.31	90.00	179.75	11950.00	-10332.65	531.24	0.00	0.00	10332.65	TD at 22820.31

Project: Lea, County NM (NAD 83)

Site: Millie Mile Pad

Well: Millie Mile 13-24 Fed Com 801H

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

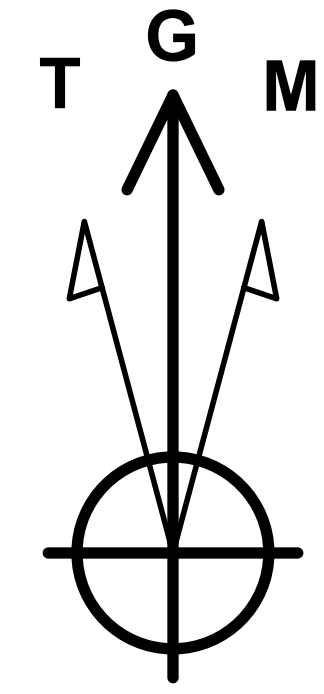
SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.00	22820.31	Plan 3 (Wellbore #1)	MWD+HRGM

T

G

M



Azimuths to Grid North

True North: -0.38°

Magnetic North: 6.11°

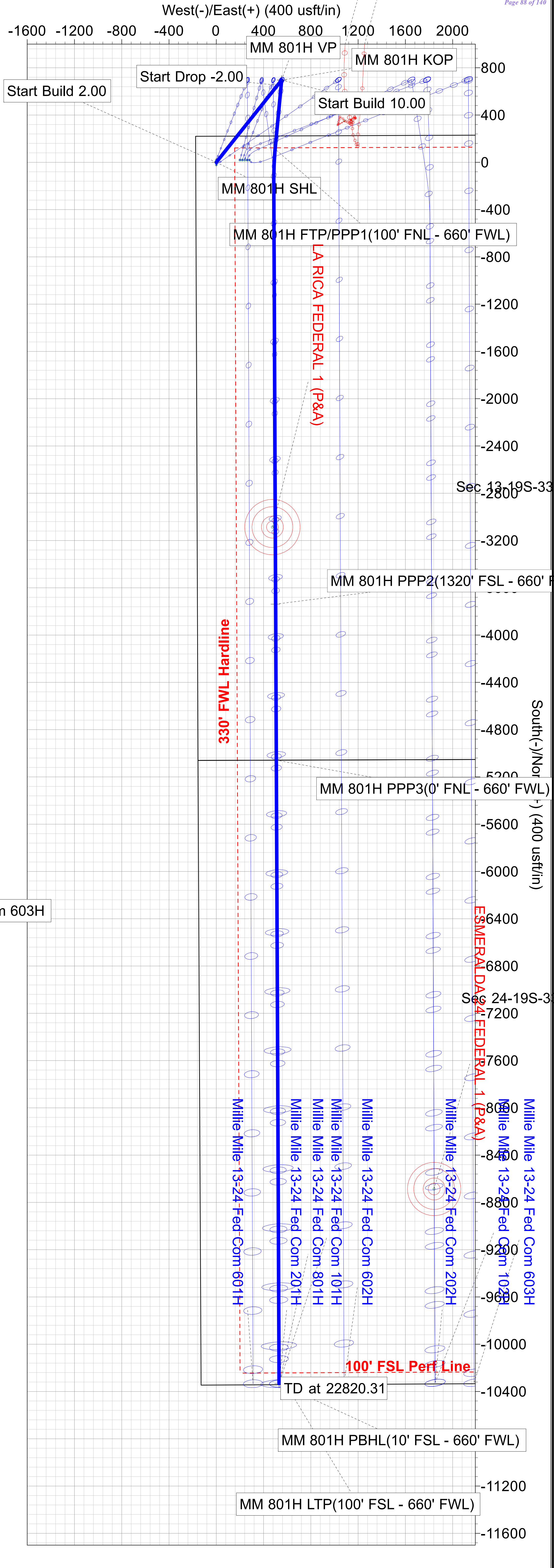
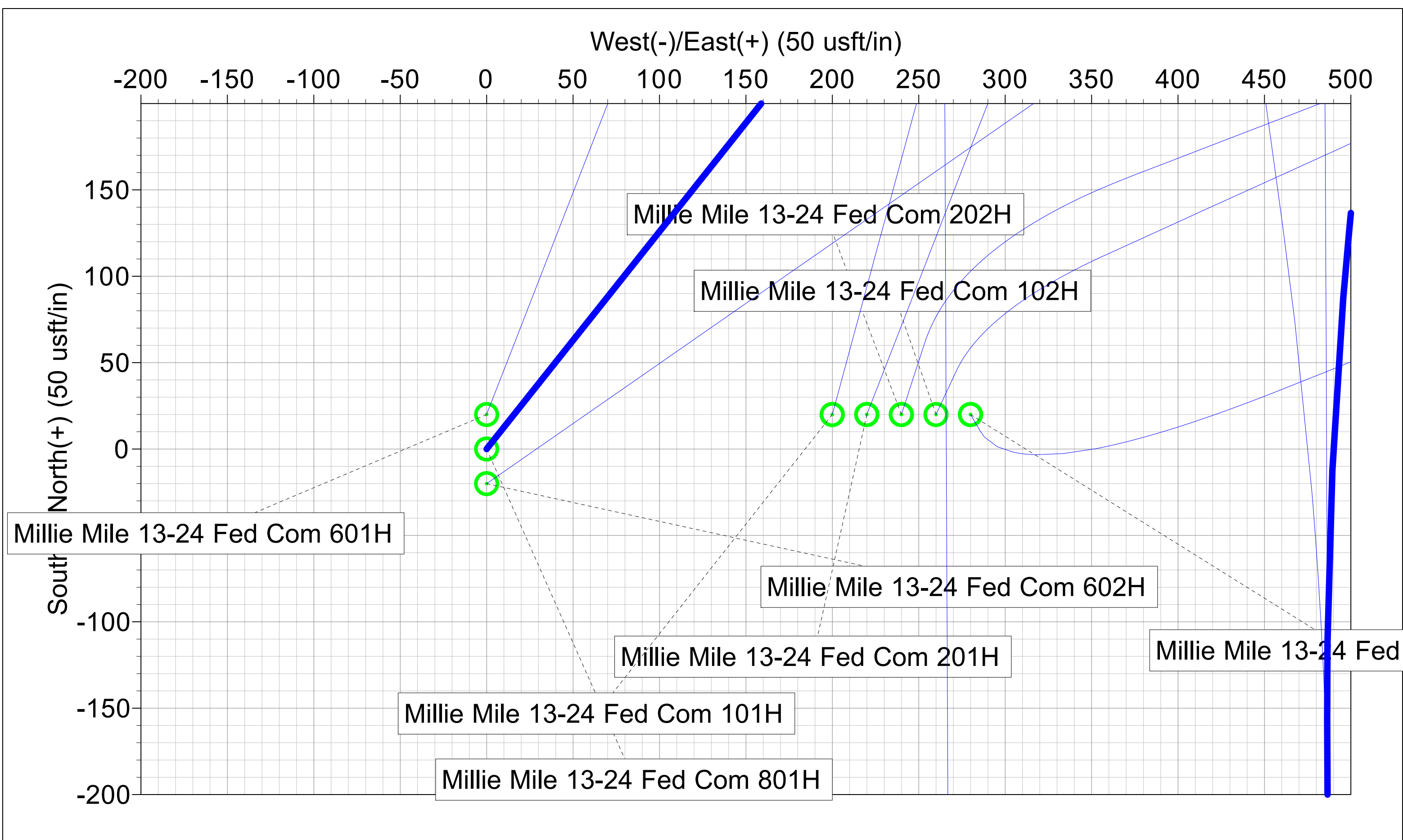
Magnetic Field

Strength: 47546.1nT

Dip Angle: 60.47°

Date: 12/14/2023

Model: BGGM 2023





LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

CERTIFICATE OF QUALITY

LTTY/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	Zhansheng Wang

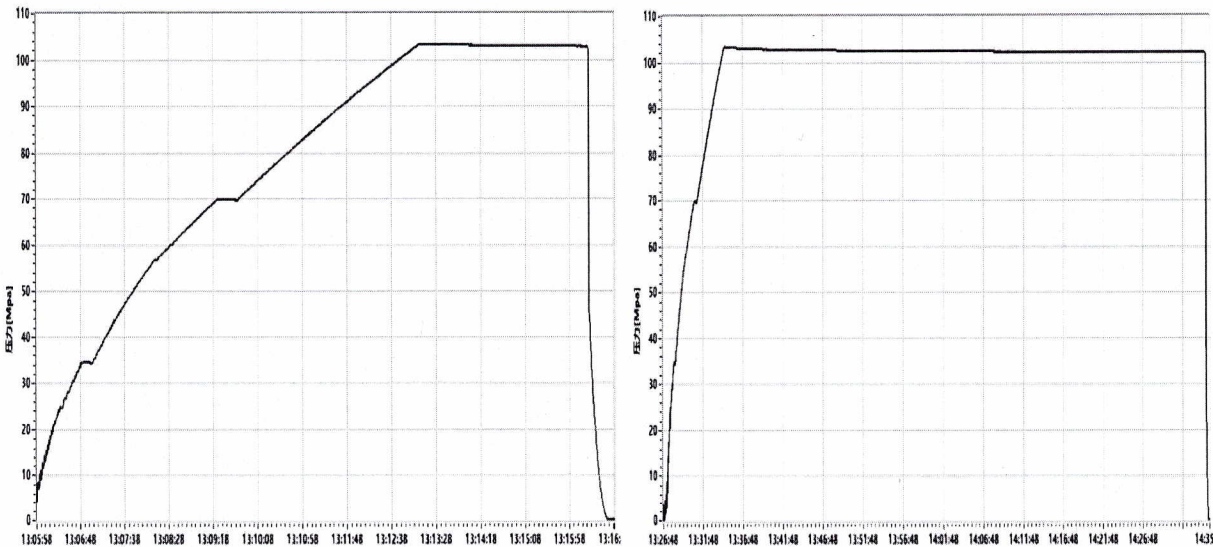


LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

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 .

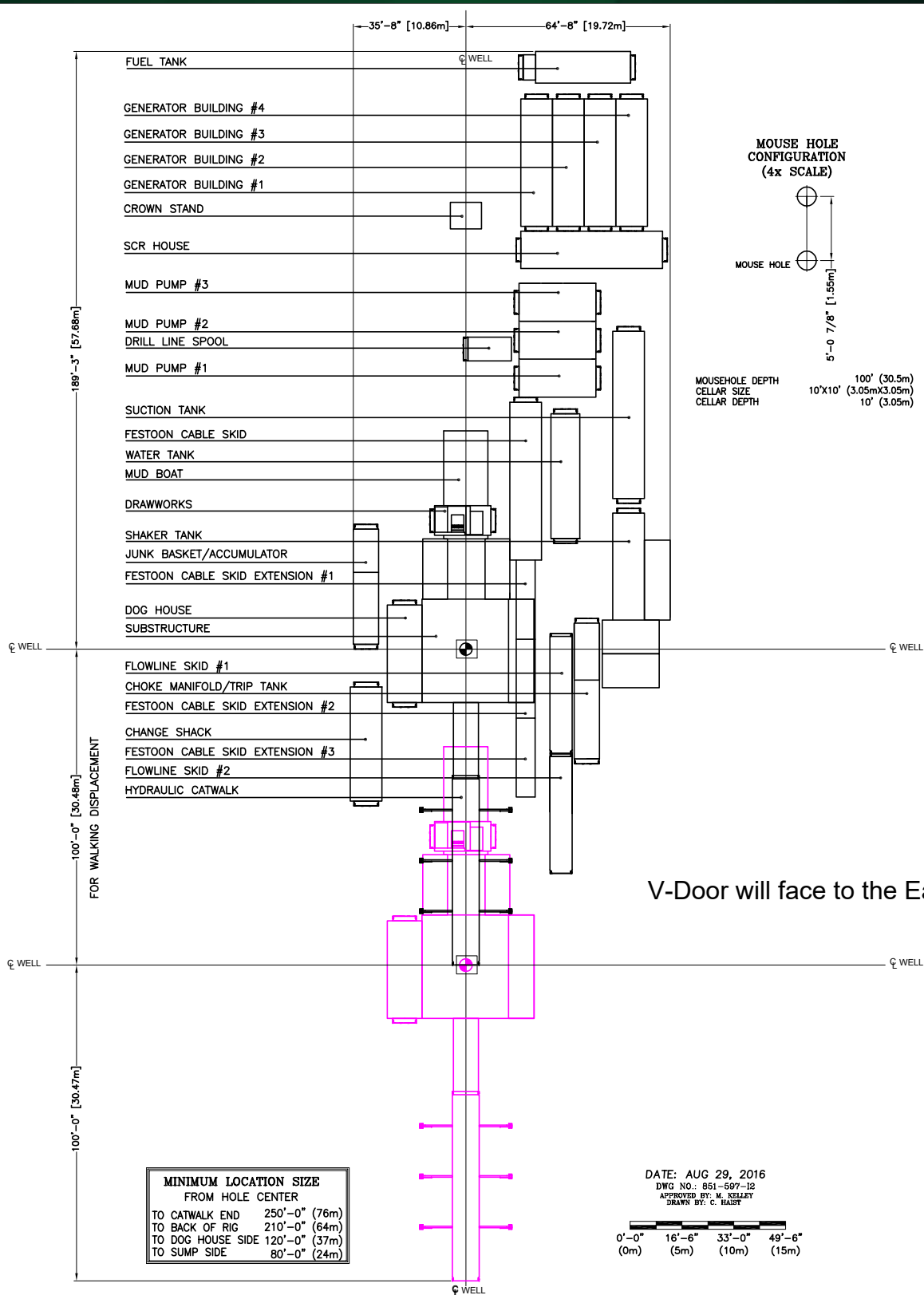
QC Manager:

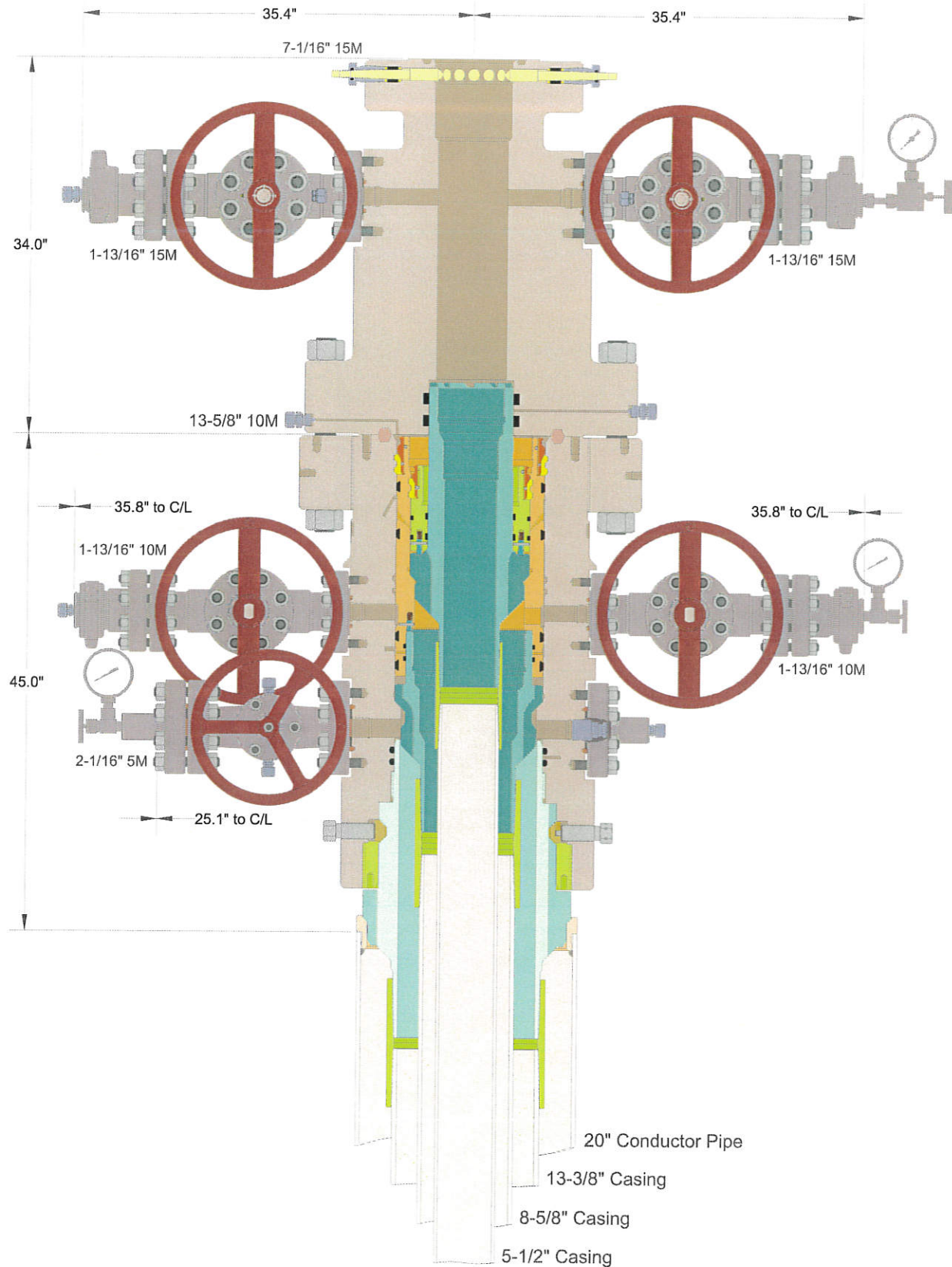
Jiaolong Chen

Date:April 22, 2023



RIG LAYOUT





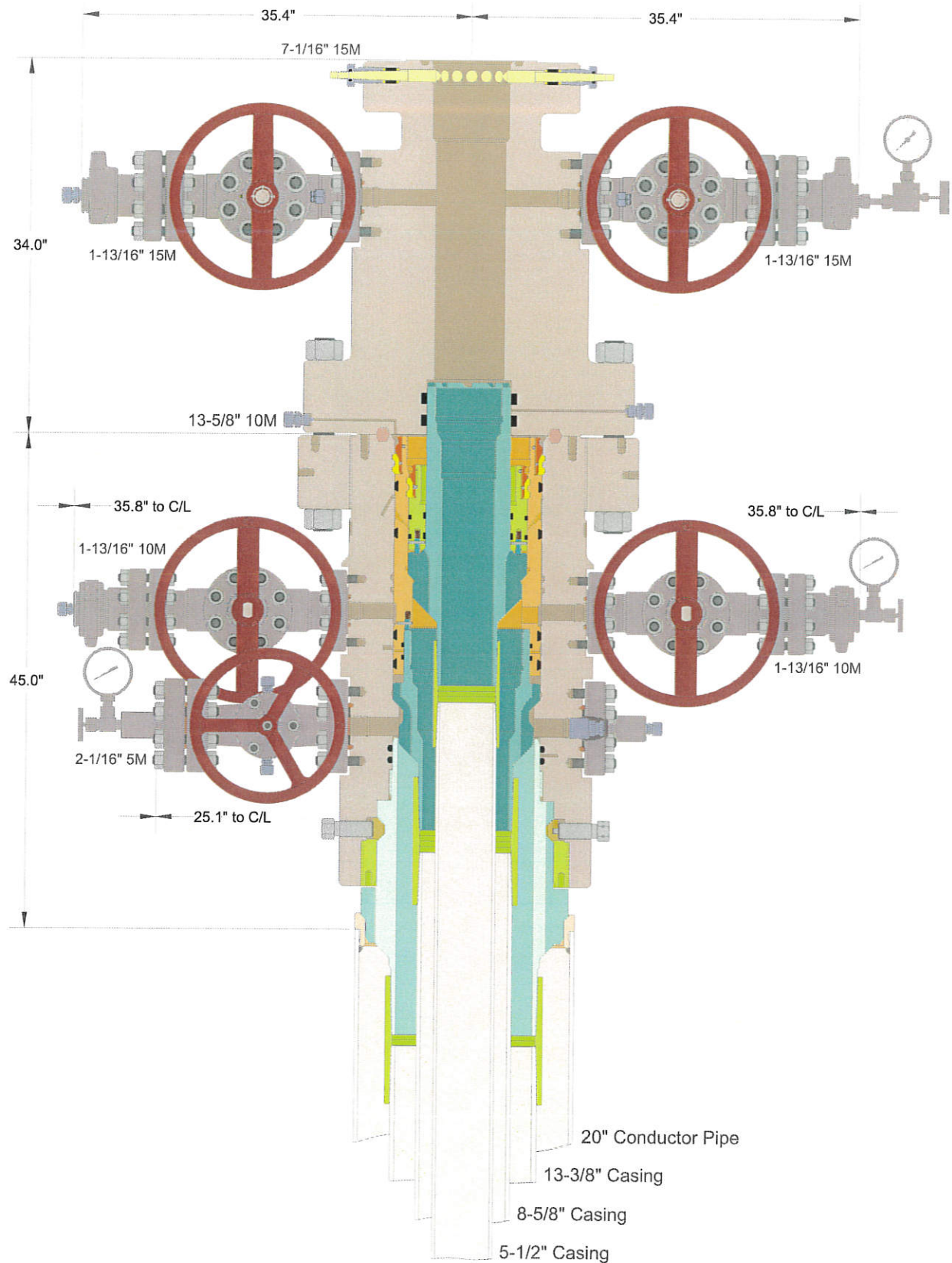
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ALL DIMENSIONS APPROXIMATE

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	



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ALL DIMENSIONS APPROXIMATE

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DRAWN	DLE	11AUG20
APPRV		
DRAWING NO.	SDT-2810	

E.G.L. Resources, Inc.
Millie Mile 13-24 Fed Com 801H
 SHL: 224 FNL & 175 FWL' of Section 13-19S-33E
 BHL: 10 FSL & 660 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	3,115	N/A
Yates	3,285	3,305	N/A
Seven Rivers	3,710	3,730	N/A
Queen	4,280	4,300	N/A
Grayburg	4,570	4,570	N/A
San Andres	5,100	5,120	N/A
Capitan Reef	N/A		Not Present
Cherry Canyon	5,670	5,670	N/A
Brushy Canyon	6,360	6,360	N/A
Bone Spring Lime	7,860	7,880	N/A
Bone Spring Avalon	7,960	7,960	Hydrocarbons
Bone Spring 1 Sand	9,080	9,130	Hydrocarbons
Bone Spring 2 Carbonate	9,390	9,440	Hydrocarbons
Bone Spring 2 Sand	9,600	9,650	Hydrocarbons
Bone Spring 3 Carbonate	10,155	10,215	Hydrocarbons
Bone Spring 3 Sand	10,500	10,580	Hydrocarbons
Wolfcamp XY*	10,785	10,875	Hydrocarbons
Wolfcamp A*	10,890	10,990	Hydrocarbons
Wolfcamp B	10,930	11,060	Hydrocarbons
Wolfcamp C	11,420	11,560	Hydrocarbons
Wolfcamp D	11,530	11,680	Hydrocarbons
Strawn	12,100	12,100	Not Encountered
Intermediate Casing Point	11,050	11,050	
KOP	11,150	11,270	
TD	11,850	22,820	

2. NOTABLE ZONES

The WC D 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 and test pressures 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 43 CFR 3172.7(b)(8).

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 2431 psi) high for 30 minutes

E.G.L. Resources, Inc.
Millie Mile 13-24 Fed Com 801H
SHL: 224 FNL & 175 FWL' of Section 13-19S-33E
BHL: 10 FSL & 660 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 risers would preclude presetting the surface casing, then the primary riser will be run and drilled 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	1,835	J-55	54.5	BTC	1.125	1.125	1.6
Intermediate	9 7/8	8 5/8	API	No	0	11,200	0	11,050	P-110 HP	32	Talon HTQ	1.125	1.125	1.6
Production	7 7/8	5 1/2	API	No	0	22,820	0	11,850	P-110 EC	20	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	11,200	0	11,050	P-110 HP	32	TLW	1.125	1.125	1.6
Production	7 7/8	5 1/2	API	No	0	22,820	0	11,850	P-110 EC	17	DWC/C-1S +	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	402	6.19	2489.5	10	60%	C or H	Fluid Loss, Retarder, LCM, Possibly beads
	Tail	10050	130	1.38	179.4	13.8	15%	C or H	Fluid Loss, Retarder, LCM
Production	Lead	8050	353	1.49	526.3	12.5	0%	H	Fluid Loss, Retarder, LCM
	Tail	11050	1642	1.49	2447.3	13.5	20%	H	Fluid Loss, Retarder, LCM

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	11050	Brine Diesel Emulsion	8.8-9.6	35-45	NC
Production	11050	22820	Oil Based Mud	12-12.5	35-65	4-6

6. CORES, TEST, & LOGS

No core or drill stem test is planned. 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 ≈5095.5 psi. Anticipated bottom hole pressure is ≈7702.5 psi. Expected bottom hole temperature is ≈240° F.

8. OTHER INFORMATION

Anticipated spud date is upon approval. It is expected it will take ≈3 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 exposed vertical zones. If losses occur, we will use a contingency 4S design that covers said loss zone.

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.



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

SUPO Data Report

08/15/2024

APD ID: 10400097440

Submission Date: 03/07/2024

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 801H

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_20240513134750.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Aerial_Road_Route_Map_20240513134753.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Land_Status_Map_20240513134755.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Topo_Map_20240513134805.pdf

PBEX_Millie_Mile_13_24_Fed_Com_Vicinity_Map_20240513134808.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_20240513134837.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:** 801H

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_801H_Existing_Wells_Map_20240513134945.pdf

PBEX_Millie_Mile_13_24_Fed_Com_801H_Existing_Wells_Map_Pg2_20240513134948.pdf

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 801H

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

Mille_Mile_Ranger_Water_Map_20240206182247.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:** 801H

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_20240513135039.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: 801H

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 Disposal location ownership: COMMERCIAL FACILITY

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 Disposal location ownership: COMMERCIAL FACILITY

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: 801H

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_20240513135118.pdf
23_101303_Millie_Mile_13_24_Fed_Com_Site_Plan_20240513135122.pdf

Comments:

Section 10 - Plans for Surface Reclamation

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

Multiple 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 COMWell Number: 801H

Total proposed disturbance: 7.63

Total interim reclamation: 12

Total long term disturbance: 4

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:** 801H**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:** 801H**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: 801H

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:** 801H**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

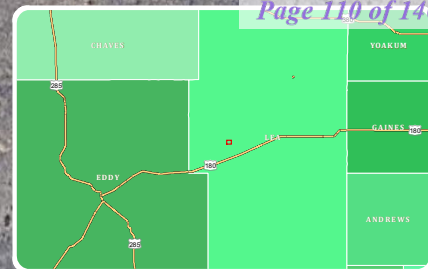
New__Millie_Mile_SUPO_Pad_Move_20240513135347.pdf

AERIAL MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO

Surface Hole Location

1	Millie Mile 13-24 Fed Com 601H
2	Millie Mile 13-24 Fed Com 801H
3	Millie Mile 13-24 Fed Com 602H
4	Millie Mile 13-24 Fed Com 101H
5	Millie Mile 13-24 Fed Com 201H
6	Millie Mile 13-24 Fed Com 202H
7	Millie Mile 13-24 Fed Com 102H
8	Millie Mile 13-24 Fed Com 603H

**T19S-R33E**Proposed Pad
Millie Mile 13-24 Fed ComProposed Access Road
522.62 Feet

11 12

14 13
2 1 3 4 7
5 6 8

1:9,000

0 500 1,000 1,500 Feet



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Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

**Legend**

- SHL
- Access Road
- Pad

Millie Mile 13-24 Fed Com

OPERATOR:
EGL RESOURCES INC.

AERIAL ROAD ROUTE MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO

Surface Hole Location

1	Millie Mile 13-24 Fed Com 601H
2	Millie Mile 13-24 Fed Com 101H
3	Millie Mile 13-24 Fed Com 201H
4	Millie Mile 13-24 Fed Com 801H
5	Millie Mile 13-24 Fed Com 602H
6	Millie Mile 13-24 Fed Com 202H
7	Millie Mile 13-24 Fed Com 102H
8	Millie Mile 13-24 Fed Com 603H

Proposed Pad
Millie Mile 13-24 Fed Com

Proposed Access Road
522.62 Feet

T19S-R33E**T19S-R34E**

Existing Road
7.40 Miles

Hobbs, New Mexico
±29.9 Miles

1:24,000

0 1,000 2,000 3,000 4,000 Feet



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Units: Foot US

**Legend**

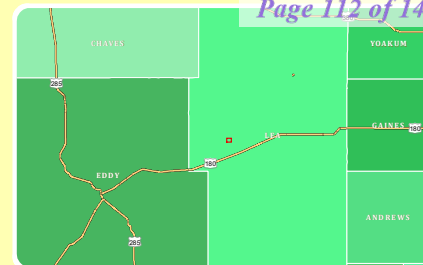
- SHL
- Access Road
- Existing Road
- Driving Route
- Freeways Highways
- Major Road
- Local Road
- Pad

Millie Mile 13-24 Fed Com

OPERATOR:
EGL RESOURCES INC.

LAND STATUS MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO

**Surface Hole Location**

1	Millie Mile 13-24 Fed Com 601H
2	Millie Mile 13-24 Fed Com 801H
3	Millie Mile 13-24 Fed Com 602H
4	Millie Mile 13-24 Fed Com 101H
5	Millie Mile 13-24 Fed Com 201H
6	Millie Mile 13-24 Fed Com 202H
7	Millie Mile 13-24 Fed Com 102H
8	Millie Mile 13-24 Fed Com 603H

T19S-R33E

Proposed Pad
Millie Mile 13-24 Fed Com

Proposed Access Road
522.62 Feet

11 12

14 13

4 7
5 8

1:9,000

0 500 1,000 1,500 Feet



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Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

**Legend**

- SHL
- Access Road
- ▭ Pad
- ▭ Federal Land
- ▭ State of NM Land
- ▭ Private Land

Millie Mile 13-24 Fed Com

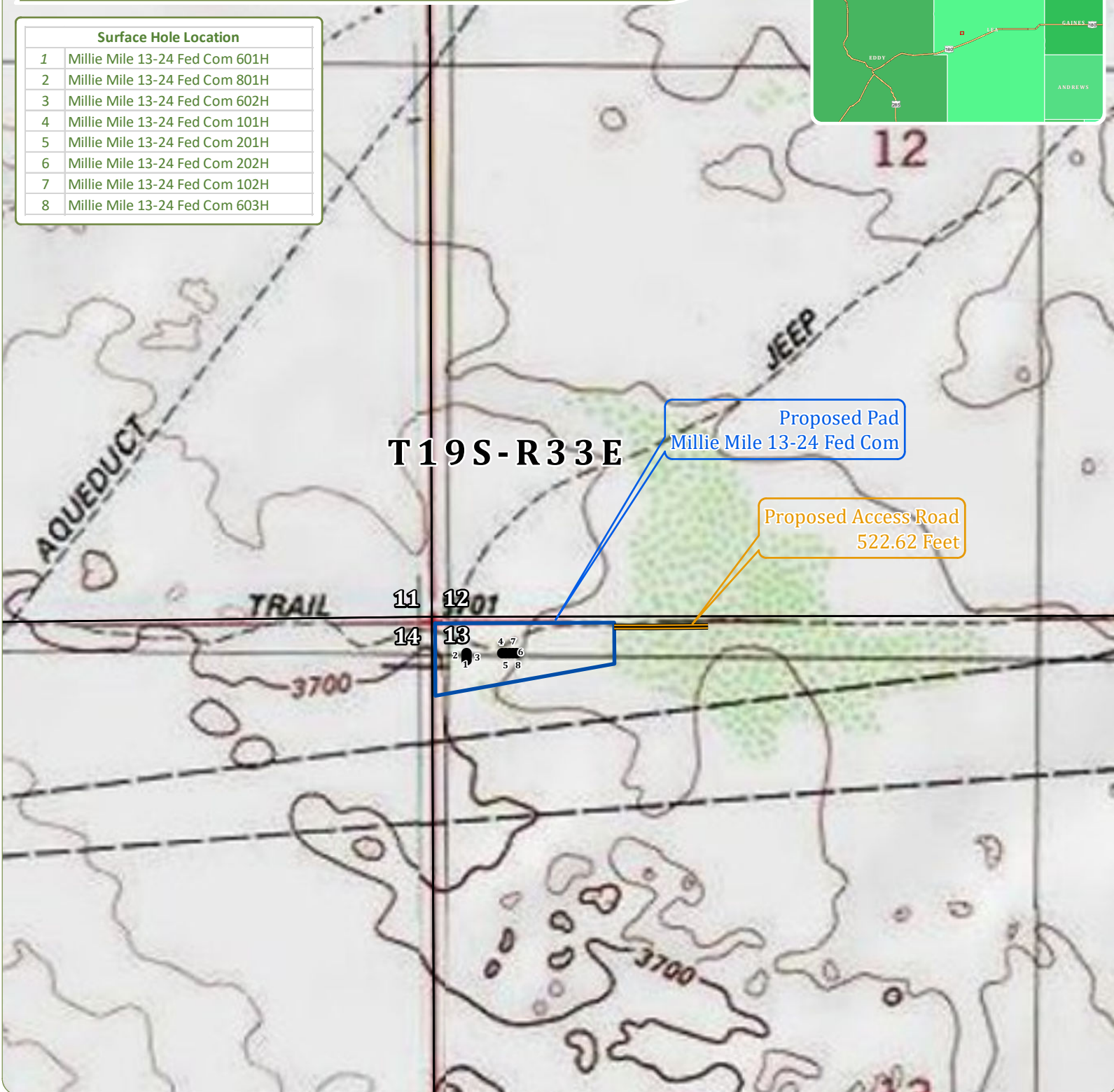
OPERATOR:
EGL RESOURCES INC.

TOPO MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO



Surface Hole Location	
1	Millie Mile 13-24 Fed Com 601H
2	Millie Mile 13-24 Fed Com 801H
3	Millie Mile 13-24 Fed Com 602H
4	Millie Mile 13-24 Fed Com 101H
5	Millie Mile 13-24 Fed Com 201H
6	Millie Mile 13-24 Fed Com 202H
7	Millie Mile 13-24 Fed Com 102H
8	Millie Mile 13-24 Fed Com 603H

T19S-R33EProposed Pad
Millie Mile 13-24 Fed ComProposed Access Road
522.62 Feet

1:9,000

0 500 1,000 1,500 Feet



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Units: Foot US

**Legend**

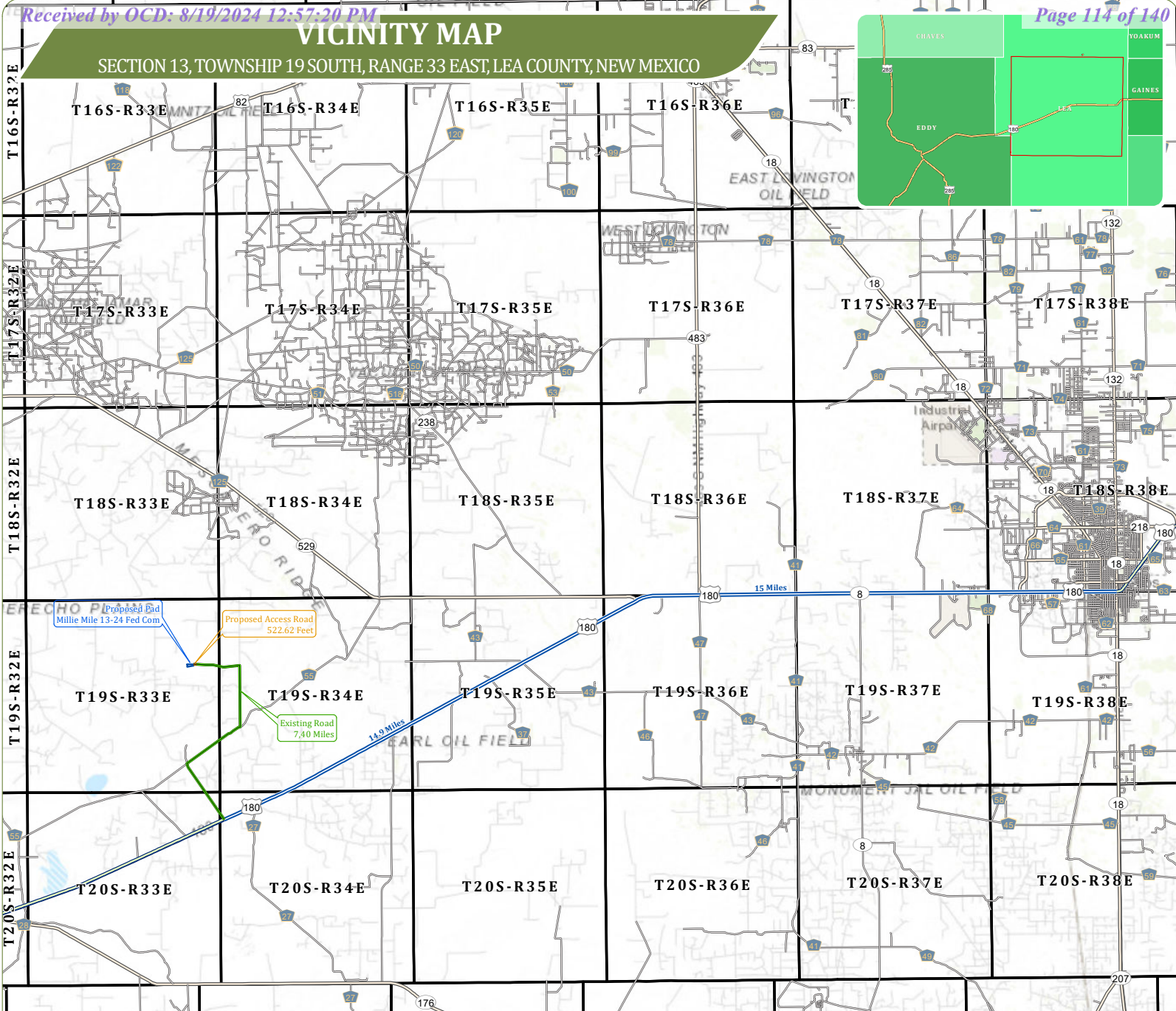
- SHL
- Access Road
- Pad

Millie Mile 13-24 Fed Com

OPERATOR:
EGL RESOURCES INC.

VICINITY MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF US-180 AND NM-18 IN HOBBS, NEW MEXICO

1. GO WEST ON US-180 APPROX. 15 MILES,
2. AT THE INTERSECTION US-180 AND NM-529 TAKE A LEFT AND CONTINUE GO SOUTHWEST ON US-180 APPROX. 14.9 MILES,
3. TURN RIGHT ONTO EXISTING LEASE ROAD AND GO NORTHWEST APPROX. 2.08 MILES,
4. TURN RIGHT ONTO EXISTING LEASE ROAD AND GO NORTHEAST APPROX. 2.02 MILES,
5. TURN LEFT ONTO EXISTING LEASE ROAD AND GO NORTH APPROX. 1.92 MILES,
6. TURN LEFT ONTO EXISTING LEASE ROAD & ACCESS ROAD AND GO WEST APPROX. 1.46 MILES TO NORTHEAST PAD CORNER

1:280,000

0 20,000 40,000 Feet



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 Scale Factor: 0.9999
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 Units: Foot US



Legend

- Access Road
- Existing Road
- Driving Route
- Freeways Highways
- Major Road
- Local Road
- Pad

Millie Mile 13-24 Fed Com

OPERATOR:
EGL RESOURCES INC.

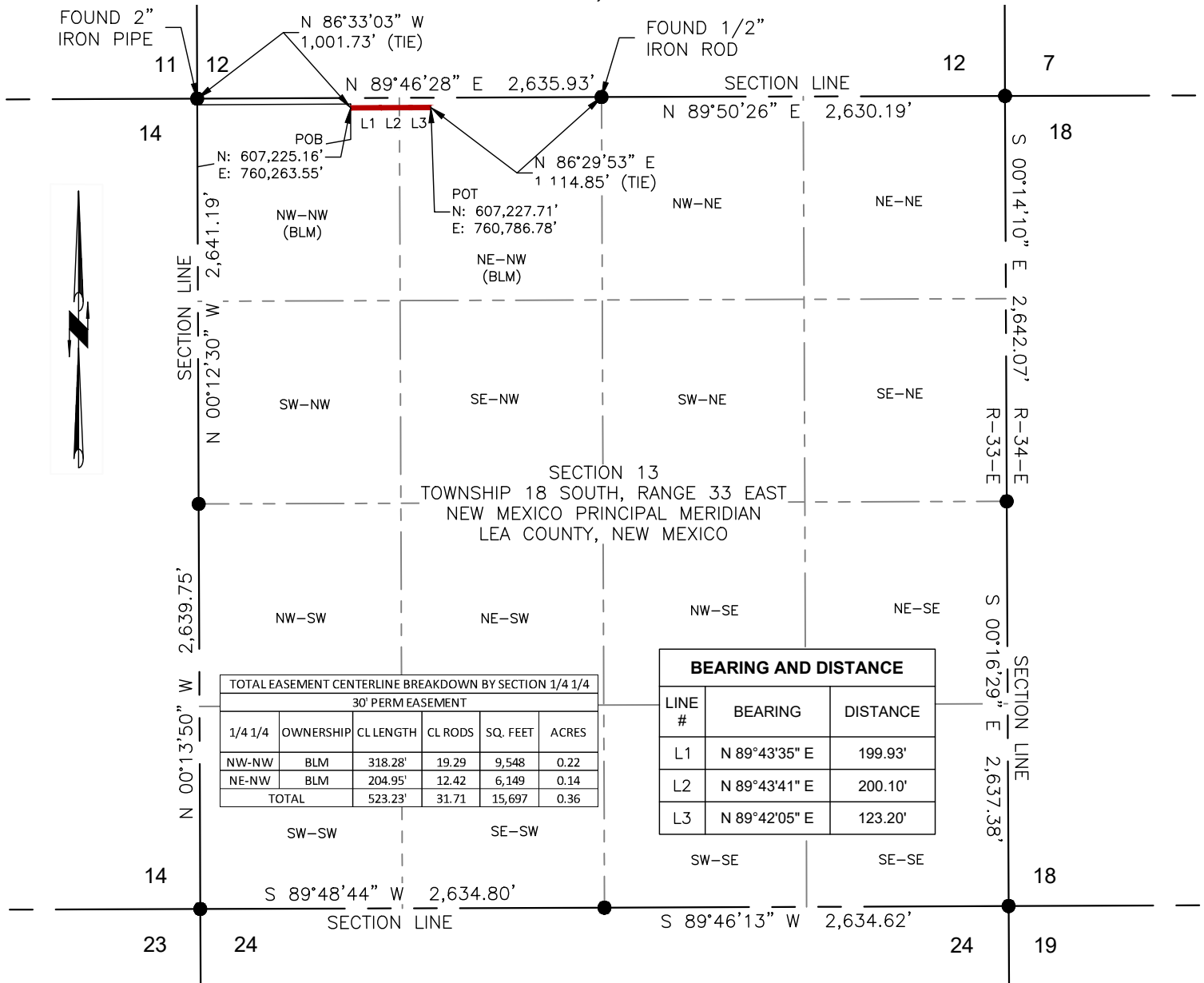
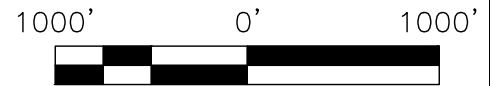
PROPOSED ACCESS ROAD EXHIBIT

MILLIE MILE 13-24 FED COM

SECTION 13, TOWNSHIP 18 SOUTH, RANGE 33 EAST

NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO



TOTAL EASEMENT CENTERLINE BREAKDOWN BY SECTION 1/4 1/4					
30' PERM EASEMENT					
1/4 1/4	OWNERSHIP	CL LENGTH	CL RODS	SQ. FEET	ACRES
NW-NW	BLM	318.28'	19.29	9,548	0.22
NE-NW	BLM	204.95'	12.42	6,149	0.14
TOTAL		523.23'	31.71	15,697	0.36

BEARING AND DISTANCE		
LINE #	BEARING	DISTANCE
L1	N 89°43'35" E	199.93'
L2	N 89°43'41" E	200.10'
L3	N 89°42'05" E	123.20'

LEGEND

- SURVEY LINES
 --- PROPOSED CENTERLINE
 ● FOUND MONUMENT
 ○ CALCULATED CORNER

EGL RESOURCES INC.

Date: 4/26/2024



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

NOTES:

- 1.) BEARINGS AND COORDINATES ARE GRID AS DERIVED FROM GPS OBSERVATION AND ARE BASED ON THE STATE PLANE COORDINATES FOR THE NEW MEXICO EAST ZONE 3001-NAD83.
 2.) CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT. IN RELATION TO THE EVIDENCE DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY THE CLIENT. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES KNOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.

Date: 04/22/24

Date: 04/22/24

Scale: 1"=1000'

DWG: 23-101303_MILLIE MILE 13-24 FED COM_AR
REV.1

Drawn: JMJ

Checked: MJM

Job: 23-101303

REVISION NO. 1

PAGE 1 OF 2

PROPOSED ACCESS ROAD EXHIBIT
MILLIE MILE 13-24 FED COM
SECTION 13, TOWNSHIP 18 SOUTH, RANGE 33 EAST
NEW MEXICO PRINCIPAL MERIDIAN
LEA COUNTY, NEW MEXICO

30-FOOT ACCESS ROAD EASEMENT CENTERLINE DESCRIPTION

BEING, A THIRTY-FOOT (30') WIDE ACCESS ROAD EASEMENT BEING FIFTEEN (15') EITHER SIDE OF THE FOLLOWING DESCRIBED CENTERLINE, SITUATED IN SECTION 13, TOWNSHIP 18 SOUTH, RANGE 33 EAST, NEW MEXICO PRINCIPAL MERIDIAN, LEA COUNTY, TEXAS.

BEGINNING AT A POINT HAVING COORDINATES OF N: 607,225.16', E: 760,263.55' / LAT: 32.667291, LONG: -103.621900, POINT OF BEGINNING (P.O.B.), IN SAID SECTION 13, FROM WHICH A FOUND 2-INCH IRON PIPE FOR THE NORTHWEST CORNER OF SAID SECTION 13, BEARS N 86°33'03" W A DISTANCE OF 1,001.73 FEET;

THENCE N 89°43'35" E WITH SAID CENTERLINE, A DISTANCE OF 199.93 FEET TO A POINT;
THENCE N 89°43'41" E WITH SAID CENTERLINE, A DISTANCE OF 200.10 FEET TO A POINT;

THENCE N 89°42'05" E WITH SAID CENTERLINE, A DISTANCE OF 123.20 FEET TO THE POINT OF TERMINATION (P.O.T.), HAVING COORDINATES OF N: 607,227.71', E: 760,786.78' / LAT: 32.667288, LONG: -103.620200, OF SAID THIRTY-FOOT (30') ACCESS ROAD EASEMENT, FROM WHICH A FOUND 1/2-INCH IRON PIPE FOR THE NORTH QUARTER CORNER OF SAID SECTION 13, BEARS N 86°29'53" E A DISTANCE OF 1,114.85 FEET.

WHEREAS THE ABOVE DESCRIBED THIRTY-FOOT (30') ACCESS ROAD EASEMENT HAVING A CENTERLINE DISTANCE OF 523.23 LINEAR FEET, OR 31.71 RODS.

THIS EASEMENT DESCRIPTION IS NOT MEANT TO DEPICT A BOUNDARY SURVEY.

EGL RESOURCES INC.

Date: 4/26/2024



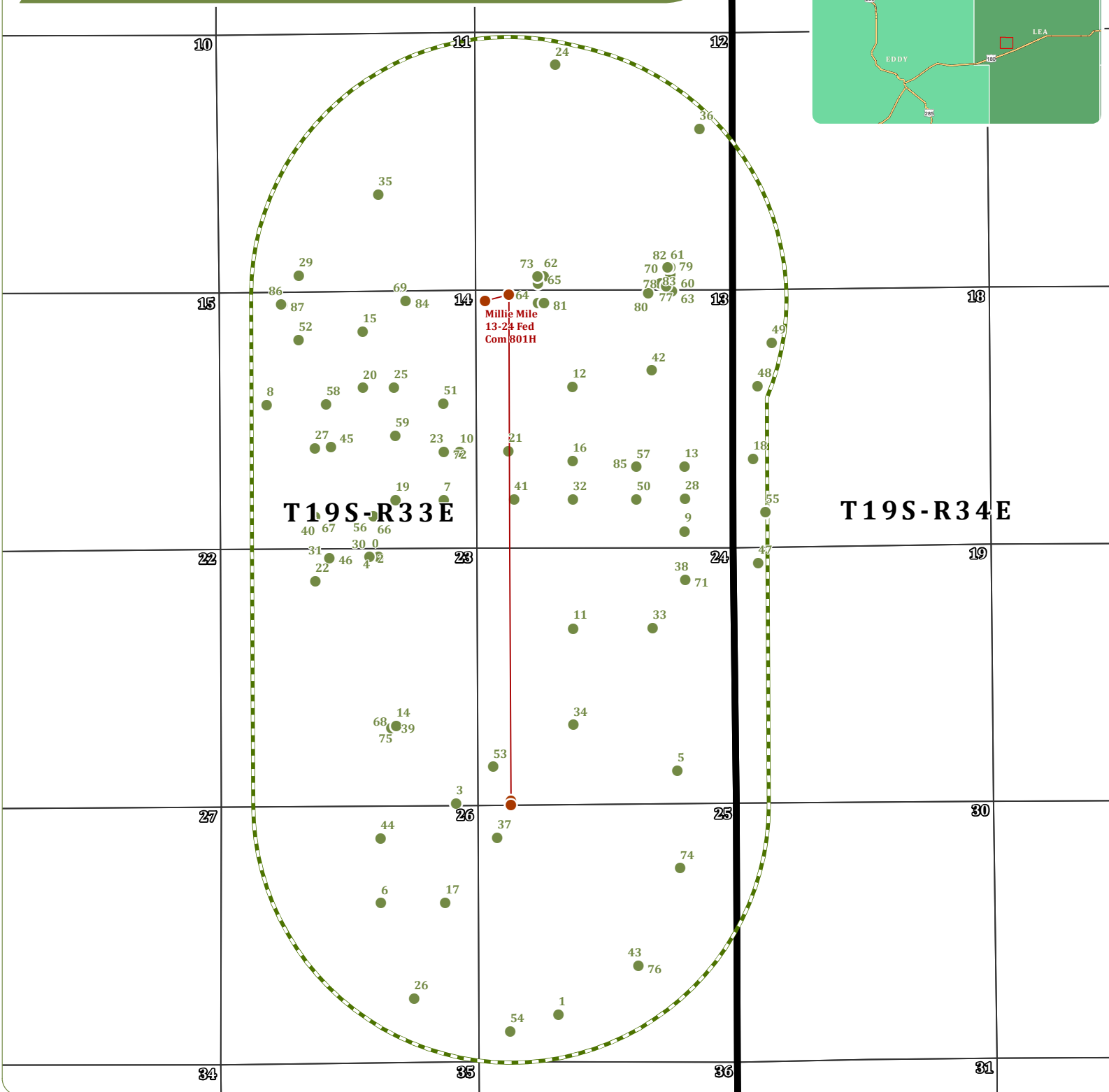
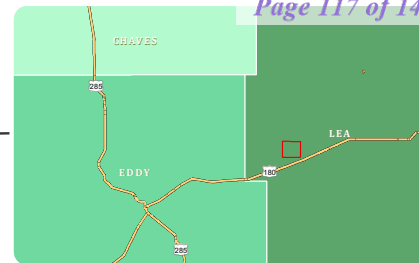
MARK J. MURRAY P.L.S. NO. 12177

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Coosa Consulting\Clients - Projects\PBEX\23-101303_Millie Mile 13-24 Fed Com\Drafting\Exhibits\Access Rd	Date: 04/22/24	Date: 04/22/24	Scale: 1"=1000'	DWG: 23-101303_MILLIE MILE 13-24 FED COM_AR REV.1
	Drawn: JMJ	Checked: MJM	Job: 23-101303	REVISION NO. 1 PAGE 2 OF 2

EXISTING WELLS MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO



1:33,000

0 2,000 4,000 6,000 Feet



PERMIAN BASIN
PO Box 1583
Midland, TX 79702

CONTACT
Email: info@coosaconsulting.com
Office : (432) 631-4738

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

**Legend**

- SHL/KOP, LP/FTP, LTP/BHL
- Existing Wells
- Wellbore
- 1 Mile Buffer

Millie Mile 13-24 Fed Com 801H

SHL Location & Kick Off Point:
224' FNL & 175' FWL
Section 13, Township 19 South,
Range 33 East of P.M.
Lea County, New Mexico

OPERATOR:
EGL RESOURCES INC.

EXISTING WELLS MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO

FID	API	Operator	Lease Name	Well #	Prod. Type	Well Stat.	Dr. Type
0	30025444350000	MATADOR RESOURCES	MJ FEDERAL	224H	OIL	CANCELLED	H
1	30025379920000	COTERRA ENERGY INC.	LAGUNA DEEP UNIT	012	OIL	P & A	V
2	30025444330000	MATADOR RESOURCES	MJ FEDERAL	223H	OIL	CANCELLED	H
3	30025444380000	MATADOR RESOURCES	MJ FEDERAL	234H	OIL	CANCELLED	H
4	30025444300000	MATADOR RESOURCES	MJ FEDERAL	124H	OIL	CANCELLED	H
5	30025383880000	EARTHSTONE	AFTON 24 FEDERAL COM	001	GAS	ACTIVE	V
6	30025338200000	PRE-ONGARD WELL OPERATOR	ANN	001	OIL	P & A	V
7	30025368460000	NEARBURG PRODUCING COMPANY	PANAMA 14 FEDERAL	001	OIL	CANCELLED	V
8	30025339030000	CONOCOPHILLIPS	FEDERAL USA L	007	OIL	P & A	V
9	30025351910000	NEARBURG PRODUCING COMPANY	PANAMA 13 FEDERAL	001	OIL	DRILLED	V
10	30025277500000	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	001	OIL	CANCELLED	V
11	30025243840000	PRE-ONGARD WELL OPERATOR	DONOHUE	001	OIL	P & A	V
12	30025243430000	PRE-ONGARD WELL OPERATOR	LA RICA WEST	001	OIL	P & A	V
13	30025351920000	EARTHSTONE	PANAMA 13 FEDERAL	002	OIL	P & A	V
14	30025305100000	DEVON ENERGY	SAPPHIRE FED	001	OIL	P & A	V
15	30025384270000	CHEVRON	FEDERAL USA L	004	OIL	P & A	V
16	30025363510000	CONOCOPHILLIPS	LA RICA FEDERAL	003	OIL	P & A	V
17	30025338300000	PRE-ONGARD WELL OPERATOR	ANN A	001	OIL	P & A	V
18	30025378900000	COTERRA ENERGY INC.	SCOUT 18 FEDERAL	001	OIL	P & A	V
19	30025309530000	MANZANO OIL CORP	FEDERAL USA L	005	OIL	P & A	V
20	30025309430000	CONOCOPHILLIPS	TEXACO FEDERAL	002	DISPOSAL	P & A	V
21	30025251400000	CHESAPEAKE ENERGY	LA RICA FEDERAL	001	OIL	P & A	V
22	30025311980000	REVENIR ENERGY	SAPPHIRE FEDERAL SWD	002	OIL	ACTIVE	V
23	30025297040000	REVENIR ENERGY	BRITZ FEDERAL	001	OIL	ACTIVE	V
24	30025340690000	EARTHSTONE	BISON 12 FEDERAL	001	GAS	ACTIVE	V
25	30025306850000	CHESAPEAKE ENERGY	FEDERAL USA L	003	OIL	P & A	V
26	30025381210000	COTERRA ENERGY INC.	LAGUNA DEEP UNIT	010	GAS	ACTIVE	V
27	30025307630000	REVENIR ENERGY	TEXACO FEDERAL	001	OIL	ACTIVE	V
28	30025368500000	EARTHSTONE	PANAMA 13 FEDERAL	001P	OIL	TA	V
29	30025359940000	FREEPORT-MCMORAN	BUFFALO FEDERAL	003	OIL	CANCELLED	V
30	30025444370000	MATADOR RESOURCES	MJ FEDERAL	233H	OIL	CANCELLED	H
31	30025444360000	MATADOR RESOURCES	MJ FEDERAL	232H	OIL	CANCELLED	H
32	30025363500000	CONOCOPHILLIPS	LA RICA FEDERAL	002	OIL	P & A	V
33	30025344890000	NEARBURG PRODUCING COMPANY	SAGEBRUSH 24 FEDERAL COM	001	GAS	CANCELLED	V
34	30025344840000	COTERRA ENERGY INC.	ESMERALDA 24 FEDERAL	001	GAS	ACTIVE	V
35	30025335600000	OCCIDENTAL PETROLEUM	LONE RANGER 11 FEDERAL	001	OIL	ACTIVE	V
36	30025264990000	EARTHSTONE	PENNZOIL FEDERAL	002	GAS	TA	V
37	30025387550000	COTERRA ENERGY INC.	LAGUNA DEEP UNIT	011	INJECTION	EXPIRED PERMIT	V
38	30025346760000	EARTHSTONE	SAGEBRUSH 24 FEDERAL	001	OIL	INACTIVE	V
39	30025314910000	REVENIR ENERGY	SAPPHIRE FEDERAL	001	DISPOSAL	P & A	V
40	30025313980000	CONOCOPHILLIPS	TEXACO FEDERAL	003	OIL	P & A	V
41	30025368740000	EARTHSTONE	PANAMA 13 FEDERAL	004	OIL	INACTIVE	V
42	30025350650000	NEARBURG PRODUCING COMPANY	STETSON 13 FEDERAL	001	GAS	DRILLED	V
43	30025277050000	COTERRA ENERGY INC.	SMITH	001	GAS	ACTIVE	V
44	30025306950000	COTERRA ENERGY INC.	LAGUNA DEEP FEDERAL UNIT	004	GAS	P & A	V
45	30025306920000	CHESAPEAKE ENERGY	FEDERAL USA L	004	OIL	P & A	V
46	30025444320000	MATADOR RESOURCES	MJ FEDERAL	222H	OIL	CANCELLED	H
47	30025374160000	EARTHSTONE	STETSON EXTENSION 19 FEDERAL	001	OIL	ACTIVE	V
48	30025380480000	COTERRA ENERGY INC.	SCOUT 18 FEDERAL	013	OIL	P & A	V
49	30025369970000	COTERRA ENERGY INC.	PIPELINE DEEP UNIT 18 FEDERAL	004	OIL	ACTIVE	V
50	30025368510000	EARTHSTONE	PANAMA 13 FEDERAL	003	OIL	ACTIVE	V
51	30025368470000	NEARBURG PRODUCING COMPANY	PANAMA 14 FEDERAL	002	OIL	CANCELLED	V
52	30025359130000	CONOCOPHILLIPS	FEDERAL USA L	011	OIL	P & A	V
53	30025237160000	PRE-ONGARD WELL OPERATOR	DONOHUE	001	OIL	P & A	V
54	30025365690000	COTERRA ENERGY INC.	LAGUNA DEEP UNIT	008	GAS	ACTIVE	V
55	30025378920000	COTERRA ENERGY INC.	SCOUT 18 FEDERAL	002	OIL	P & A	V
56	30025320920000	CONOCOPHILLIPS	FEDERAL USA L	008	OIL	P & A	V
57	30025363520000	CONOCOPHILLIPS	LA RICA FEDERAL	004	OIL	ACTIVE	V
58	30025306410000	CONOCOPHILLIPS	FEDERAL USA L	002	OIL	P & A	V
59	30025303610000	CHESAPEAKE ENERGY	FEDERAL USA L	001	OIL	P & A	V
60	30025454990000	EARTHSTONE	STETSON 13 24 18S FEDERAL COM	006H	OIL	EXPIRED PERMIT	H
61	30025451610000	EARTHSTONE	BUFFALO 12 1 FEDERAL 2BS COM	005H	OIL	EXPIRED PERMIT	H
62	30025451280000	EARTHSTONE	BUFFALO 12 1 FEDERAL 2BS COM	001H	OIL	ACTIVE	H
63	30025454990100	EARTHSTONE	STETSON 13 24 18S FEDERAL COM	006H	OIL	ACTIVE	H
64	30025454110000	EARTHSTONE	STETSON 13 2BS FEDERAL COM	002H	OIL	EXPIRED PERMIT	H
65	30025451590000	EARTHSTONE	BUFFALO 12 1 FEDERAL WCC COM	006H	OIL	ACTIVE	H
66	30025320920001	CONOCOPHILLIPS	FEDERAL USA L	008	OIL	P & A	V
67	30025313980001	CONOCOPHILLIPS	TEXACO FEDERAL	003	OIL	P & A	V
68	30025305100001	DEVON ENERGY	SAPPHIRE FED	001	OIL	P & A	V
69	30025510020000	REVENIR ENERGY	SAPPHIRE FEDERAL COM	504H	OIL	PERMITTED	H
70	30025451600000	EARTHSTONE	BUFFALO 12 1 FEDERAL 2BS COM	004H	OIL	EXPIRED PERMIT	H
71	30025346760001	EARTHSTONE	SAGEBRUSH 24 FEDERAL	001	OIL	INACTIVE	V
72	30025297040001	REVENIR ENERGY	BRITZ FEDERAL	001	OIL	ACTIVE	V
73	30025487080000	EARTHSTONE	BUFFALO 12 1 FEDERAL 2BS COM	002H	OIL	EXPIRED PERMIT	H
74	30025454700000	DKL FIELD SERVICES, LLC	SMITH RANCH SWD	002	DISPOSAL	EXPIRED PERMIT	V
75	30025305100002	DEVON ENERGY	SAPPHIRE FED	001	OIL	P & A	V
76	30025277050001	COTERRA ENERGY INC.	SMITH	001	GAS	ACTIVE	V
77	30025502660000	EARTHSTONE	STETSON 13 24 2BS FEDERAL COM	011H	OIL	ACTIVE	H
78	30025502650000	EARTHSTONE	STETSON 13 24 2BS FEDERAL COM	010H	OIL	ACTIVE	H
79	30025487060000	EARTHSTONE	BUFFALO 12 1 FEDERAL 1BS COM	009H	OIL	EXPIRED PERMIT	H
80	30025455150000	EARTHSTONE	STETSON 13 24 1BS FEDERAL COM	005H	OIL	ACTIVE	H
81	30025454120000	EARTHSTONE	STETSON 13 2BS FEDERAL COM	004H	OIL	EXPIRED PERMIT	H
82	30025451610100	EARTHSTONE	BUFFALO 12 1 FEDERAL 2BS COM	005H	OIL	ACTIVE	H
83	30025451600100	EARTHSTONE	BUFFALO 12 1 FEDERAL 2BS COM	004H	OIL	ACTIVE	H
84	30025510010000	REVENIR ENERGY	SAPPHIRE FEDERAL COM	503H	OIL	PERMITTED	H
85	30025363520001	CONOCOPHILLIPS	LA RICA FEDERAL	004	OIL	ACTIVE	V
86	30025510000000	REVENIR ENERGY	SAPPHIRE FEDERAL COM	502H	OIL	PERMITTED	H
87	30025509990000	REVENIR ENERGY	SAPPHIRE FEDERAL COM	501H	OIL	PERMITTED	H

1:33,000



PERMIAN BASIN
PO Box 1583
Midland, TX 79702
CONTACT
Email: info@coosaconsulting.com
Office : (432) 631-4738

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



Legend

- SHL/KOP, LP/FTP, LTP/BHL
- Existing Wells
- Wellbore
- 1 Mile Buffer

Millie Mile 13-24 Fed Com 801H

SHL Location & Kick Off Point:
224' FNL & 175' FWL
Section 13, Township 19 South,
Range 33 East of P.M.
Lea County, New Mexico

OPERATOR:
EGL RESOURCES INC.



 Lone Ranger Water

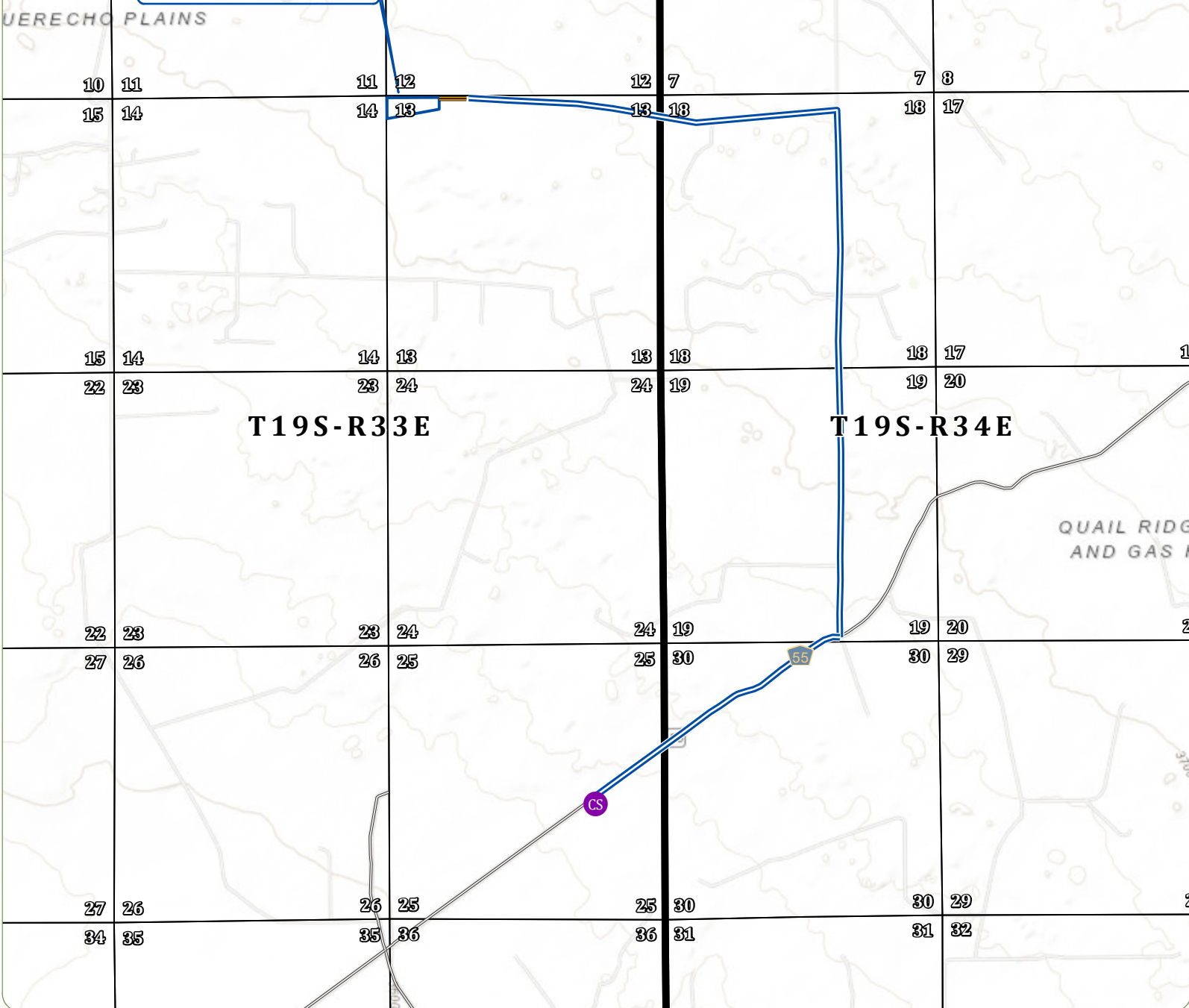
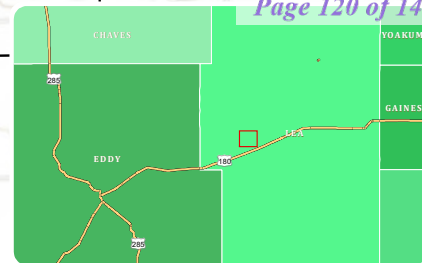
Location
32°33'12"N 103°38'41"W

 Edit

CALICHE SOURCE MAP

SECTION 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST, LEA COUNTY, NEW MEXICO

Millie Mile 13-24 Fed Com



1:33,000

0 1,500 3,000 4,500 6,000 Feet



PERMIAN BASIN
PO Box 1583
Midland, TX 79702

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Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US

**Legend**

Caliche Source



Driving Route



Freeways Highways



Major Road



Local Road



Access Road

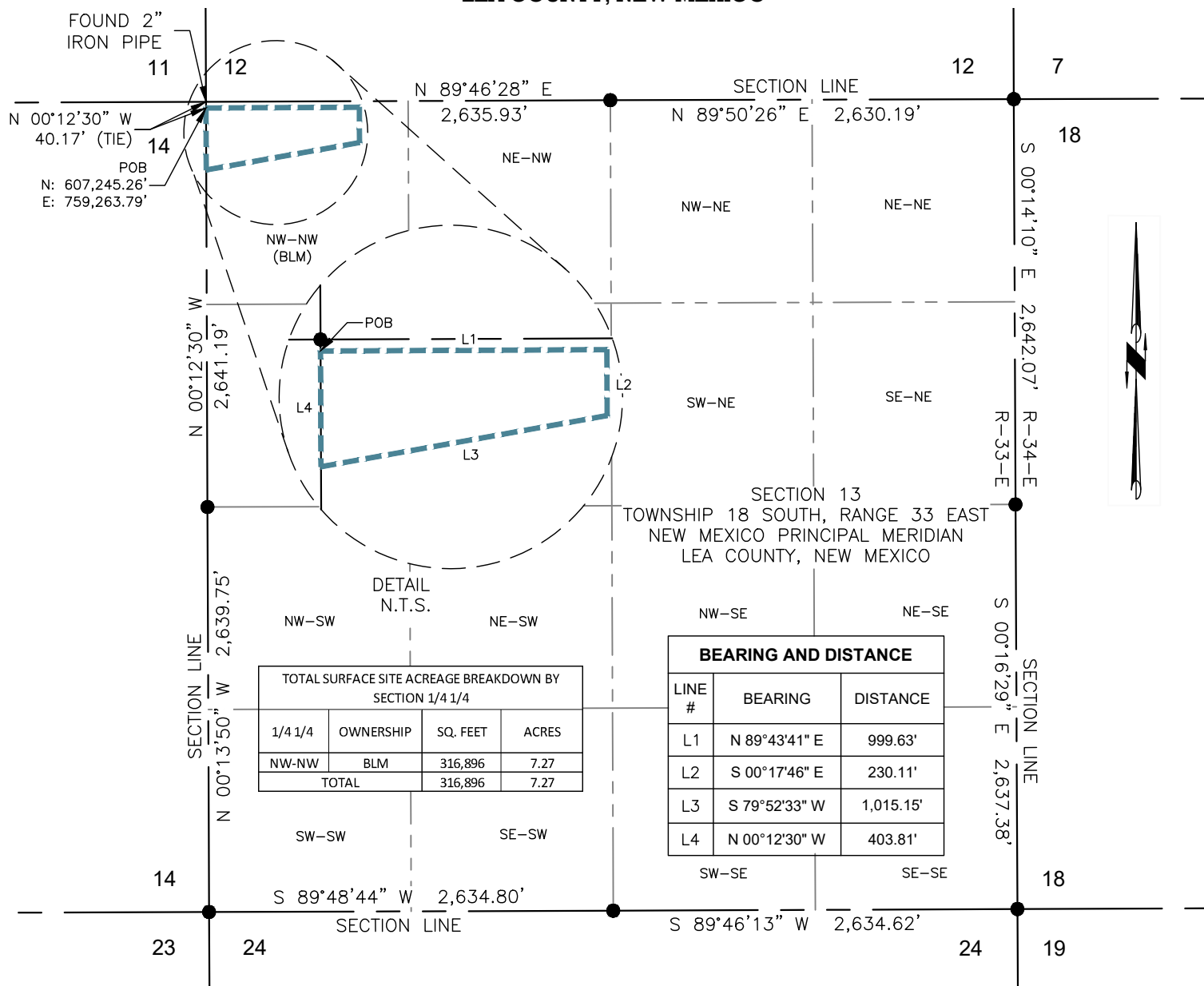


Pad

Millie Mile 13-24 Fed Com

OPERATOR:
EGL RESOURCES INC.

1000' 0' 1000'

A scale bar consisting of a horizontal line divided into four equal segments. The segments alternate in color: white, black, white, and black. Above the bar, the labels '1000'', '0'', and '1000'' are positioned at the left, center, and right ends respectively. The bar is used to indicate distances in feet.

 SURVEY LINES
 PROPOSED SURFACE SITE
 PROPOSED SURFACE LOCATION
 FOUND MONUMENT
 CALCULATED CORNER

EGL RESOURCES INC.



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Date: 04/22/24	Date: 04/22/24	Scale: 1"=1000'	DWG: 23-101303_MILLIE MILE 13-24 FED COM_SS	
Drawn: JMJ	Checked: MJM	Job: 23-101303	REVISION NO. 1	PAGE 1 OF 2

PROPOSED SURFACE SITE EXHIBIT
MILLIE MILE 13-24 FED COM
SECTION 13, TOWNSHIP 18 SOUTH, RANGE 33 EAST
NEW MEXICO PRINCIPAL MERIDIAN
LEA COUNTY, NEW MEXICO

METES AND BOUNDS DESCRIPTION

BEING, A SURFACE SITE, SITUATED IN SECTION 13, TOWNSHIP 18 SOUTH, RANGE 33 EAST, NEW MEXICO PRINCIPAL MERIDIAN, LEA COUNTY, NEW MEXICO;

BEGINNING AT A POINT HAVING COORDINATES OF N: 607,245.26', E: 759,263.79' / LAT: 32.667365, LONG: -103.625148, POINT OF BEGINNING (P.O.B.), IN SAID SECTION 13, FROM WHICH A FOUND 2-INCH IRON PIPE FOR THE NORTHWEST CORNER OF SAID SECTION 13, BEARS N 00°12'30" W A DISTANCE OF 40.17 FEET;

THENCE N 89°43'41" E, A DISTANCE OF 999.63 FEET TO A POINT;
THENCE S 00°17'46" E, A DISTANCE OF 230.11 FEET TO A POINT;
THENCE S 79°52'33" W, A DISTANCE OF 1,015.15 FEET TO A POINT;

THENCE N 00°12'30" W, A DISTANCE OF 403.81 FEET TO THE POINT OF BEGINNING.

SAID SURFACE SITE CONTAINING 316,896 SQUARE FEET OR 7.27 ACRES IN SECTION 13, MORE OR LESS.

EGL RESOURCES INC.

Date: 4/26/2024

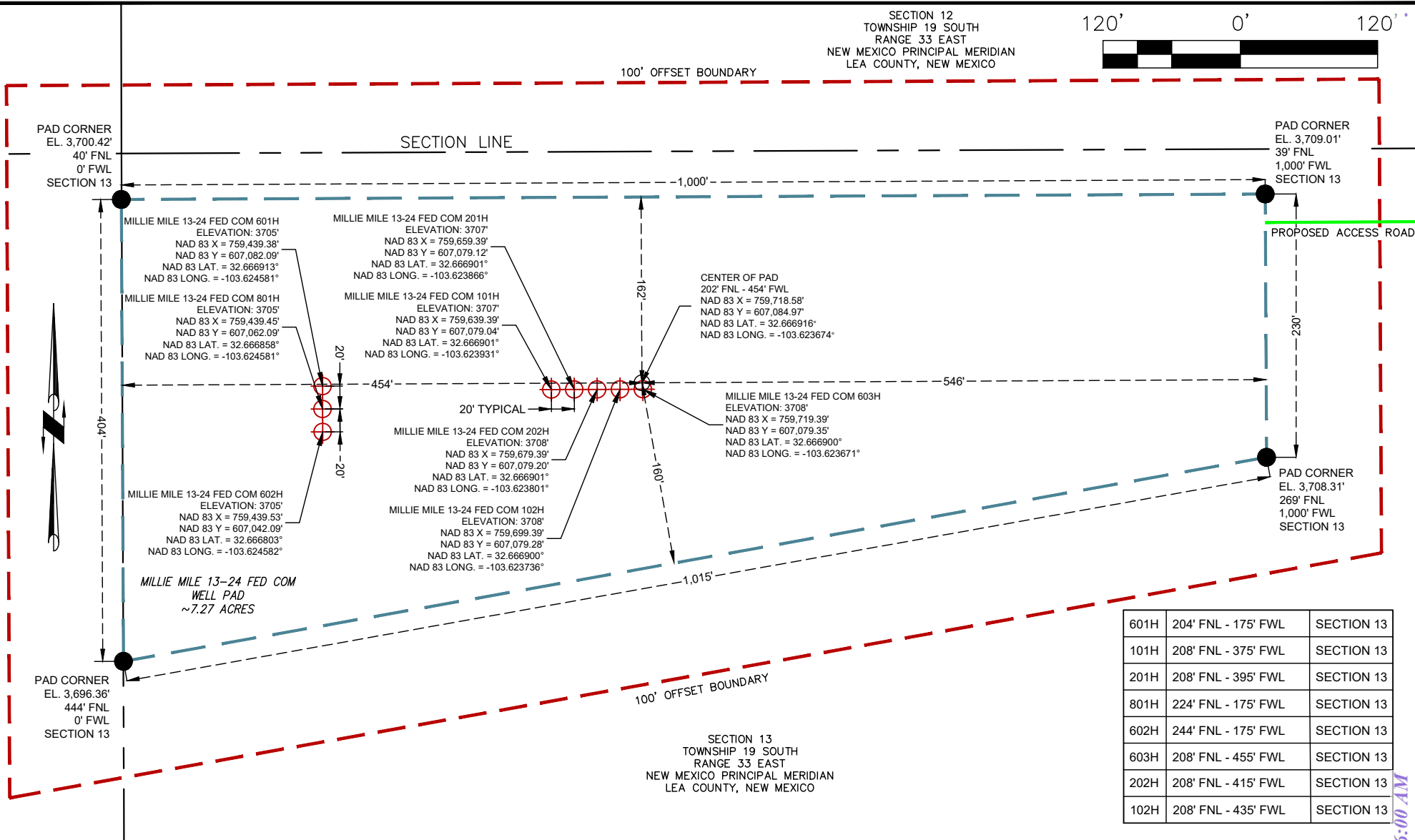
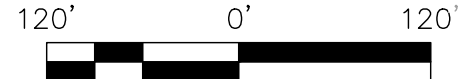


MARK J. MURRAY P.L.S. NO. 12177

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Drawn: JMJ	Checked: MJM	Job: 23-101303	REVISION NO. 1	PAGE 2 OF 2

SECTION 12
TOWNSHIP 19 SOUTH
RANGE 33 EAST
NEW MEXICO PRINCIPAL MERIDIAN
LEA COUNTY, NEW MEXICO



601H	204' FNL - 175' FWL	SECTION 13
101H	208' FNL - 375' FWL	SECTION 13
201H	208' FNL - 395' FWL	SECTION 13
801H	224' FNL - 175' FWL	SECTION 13
602H	244' FNL - 175' FWL	SECTION 13
603H	208' FNL - 455' FWL	SECTION 13
202H	208' FNL - 415' FWL	SECTION 13
102H	208' FNL - 435' FWL	SECTION 13

LEGEND

- SURVEY LINES
- - - PROPOSED SURFACE SITE
- - - 100' OFFSET BOUNDARY
- ⊕ PROPOSED SURFACE LOCATION
- ⊙ EXISTING WELLS
- PAD CORNER

EGL RESOURCES INC.

SITE PLAN

MILLIE MILE 13-24 FED COM

SECTIONS 12 & 13, TOWNSHIP 19 SOUTH, RANGE 33 EAST
NEW MEXICO PRINCIPAL MERIDIAN
LEA COUNTY, NEW MEXICO

Date: 4/22/24	Date: 4/22/24	Scale: 1"=120'	DWG: 23-101303 MILLIE MILE 13-24 FED COM_SITE PLAN
Drawn: JMJ	Checked: MJM	Job: 23-101303	REVISION NO. 0

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: 10400097440

Submission Date: 03/07/2024

Operator Name: EGL RESOURCES INCORPORATED

Well Name: MILLIE MILE 13-24 FED COM

Well Number: 801H

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: 801H

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 COM**Well Number:** 801H**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: 801H

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: 10400097440

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: 801H

[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

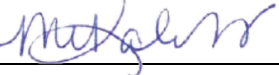
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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.

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
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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 375156

CONDITIONS

Operator: PBEX Operations, LLC 223 West Wall Street Midland, TX 79701	OGRID: 332544
	Action Number: 375156
	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