Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

DLI	AKTIMENT OF THE INTERIOR			T
BURI	EAU OF LAND MANAGEMENT		5. Lease Serial No.	NMNM94115
	IOTICES AND REPORTS ON V		6. If Indian, Allottee or Tribe	Name
	form for proposals to drill or t Use Form 3160-3 (APD) for su			
	TRIPLICATE - Other instructions on pag	ge 2	7. If Unit of CA/Agreement, NMNM142951	Name and/or No.
1. Type of Well Gas W	7-11 Oth		8. Well Name and No.	
_	<u> </u>		9. API Well No.	
2. Name of Operator EOG RESOURG			30-028	5-53608
3a. Address 1111 BAGBY SKY LOB	BY 2, HOUSTON, TX 77(3b. Phone No. (713) 651-70		10. Field and Pool or Explora Hardin Tank; Bone Spring	
4. Location of Well (Footage, Sec., T.,R SEC 28/T25S/R34E/NMP	2.,M., or Survey Description)		11. Country or Parish, State LEA/NM	
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE (OF NOTICE, REPORT OR OT	THER DATA
TYPE OF SUBMISSION		TYPI	E OF ACTION	
Notice of Intent	Acidize Dee	pen [Production (Start/Resume)	Water Shut-Off
		raulic Fracturing	Reclamation	Well Integrity
Subsequent Report		Construction	Recomplete	Other
Final Abandonment Notice		and Abandon Back	Temporarily Abandon Water Disposal	
	peration: Clearly state all pertinent details,	·	=	1 1
is ready for final inspection.) EOG respectfully requests an	tices must be filed only after all requiremen amendment to our approved APD for the 5H (FKA Lakewood 28 Fed Com 754H)	is well to reflect the	e following changes:	the operator has detennined that the site
Change name from Lakewood	28 Fed Com 754H to Lakewood XL 28	Fed Com 525H.		
	34-E, Sec 28, 260' FSL, 2010' FEL, LEA 0' FSL, 1215' FEL, LEA Co., N.M.	Co., NM,		
Change BHL from T-25-S, R-3	34-E, Sec 21, 100' FNL, 2314' FEL, LEA	Co., NM,		
to T-25-S, R-34-E, Sec 16, 100	0' FNL, 2310' FEL, LEA Co., N.M.			
Continued on page 3 additiona	l information			
, , , , ,	true and correct. Name (Printed/Typed)	Regulatory	Specialist	
STAR HARRELL / Ph: (432) 848-9	161	Title	Specialist	
Signature (Electronic Submission	on)	Date	09/30/2	2024
	THE SPACE FOR FED	ERAL OR STA	TE OFICE USE	
Approved by				
CHRISTOPHER WALLS / Ph: (575	5) 234-2234 / Approved	Title Petrole	eum Engineer	10/22/2024 Date
	hed. Approval of this notice does not warran equitable title to those rights in the subject I duct operations thereon.		LSBAD	
Title 19 U.S.C. Section 1001 and Title 4	2 IJ C C Spetion 1212 males it a		and willfully to make to	1ttt

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

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

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

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

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

(Form 3160-5, page 2)

Additional Information

Additional Remarks

Change target formation to Second Bone Spring Sand.

Update casing and cement program to current design.

Update HSU to 1920 acres.

Update the Pool as reflected in the C-102.

Location of Well

0. SHL: TR O / 260 FSL / 2010 FEL / TWSP: 25S / RANGE: 34E / SECTION: 28 / LAT: 32.0949549 / LONG: -103.4728394 (TVD: 0 feet, MD: 0 feet)

PPP: TR O / 100 FSL / 2314 FEL / TWSP: 25S / RANGE: 34E / SECTION: 28 / LAT: 32.0945151 / LONG: -103.4738212 (TVD: 12954 feet, MD: 12972 feet)

BHL: TR B / 100 FNL / 2314 FEL / TWSP: 25S / RANGE: 34E / SECTION: 21 / LAT: 32.1229865 / LONG: -103.4738361 (TVD: 13219 feet, MD: 23433 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

Pad Name: Lakewood XL 28 Fed Com SHALLOW

SHL: Section 28, Township 25-S, Range 34-E, LEA County, NM

Well Name	API#	Sur	face	Intern	nediate	Production	
wen Name	AFI#	MD	TVD	MD	TVD	MD	TVD
Lakewood XL 28 Fed Com #226H (Lakewood 28 Fed Com 102	30-025-53598	918	918	5,131	5,122	25,848	10,355
Lakewood XL 28 Fed Com #305H (Lakewood 28 Fed Com 743	30-025-53604	918	918	5,233	5,122	26,031	10,445
Lakewood XL 28 Fed Com #306H (Lakewood 28 Fed Com 502	30-025-53600	918	918	5,264	5,122	26,060	10,445
Lakewood XL 28 Fed Com #307H (Lakewood 28 Fed Com 101	30-025-53597	918	918	5,191	5,122	25,994	10,445
Lakewood XL 28 Fed Com #308H (Lakewood 28 Fed Com 751	30-025-53605	918	918	5,126	5,122	25,932	10,445
Lakewood XL 28 Fed Com #525H (Lakewood 28 Fed Com 754	30-025-53608	918	918	5,230	5,122	26,808	11,225
Lakewood XL 28 Fed Com #526H (Lakewood 28 Fed Com 503	30-025-53601	918	918	5,261	5,122	26,838	11,225
Lakewood XL 28 Fed Com #527H (Lakewood 28 Fed Com 501	30-025-53599	918	918	5,190	5,122	26,774	11,225
Lakewood XL 28 Fed Com #528H (Lakewood 28 Fed Com 741	30-025-53602	918	918	5,126	5,122	26,712	11,225
Lakewood XL 28 Fed Com #555H (Lakewood 28 Fed Com 753	30-025-53607	918	918	5,179	5,122	26,761	11,225
Lakewood XL 28 Fed Com #584H (Lakewood 28 Fed Com 752	30-025-53606	918	918	5,128	5,122	27,153	11,664
Lakewood XL 28 Fed Com #593H (Lakewood 28 Fed Com 742	30-025-53603	918	918	5,131	5,122	27,154	11,664

ALL PREVIOUS COAs STILL APPLY

Above listed wells are approved for 4 Designs listed in the "EOG BLM Variance 5a - Alternate Shallow Casing Designs" document. The casing set points and directional plans for the wells in the batch are within the boundary conditions reviewed in the blanket design. The COA is written for the deepest well on the pad. Operator is responsible to review the cement volumes based on the set points, design executed and to achieve the TOC requirements listed in the COA.

COA

H2S	• Yes	O No	
Potash	None	O Secretary	O R-111-P
Cave/Karst Potential	• Low	O Medium	O High
Cave/Karst Potential	O Critical		
Variance	O None	• Flex Hose	Other Other
Wellhead	Conventional	Multibowl	OBoth
Wellhead Variance	O Diverter		
Other	□4 String	☐ Capitan Reef	□WIPP
Other	☐ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Contingency	☐ EchoMeter	☑ Primary Cement
	Cement Squeeze		Squeeze
Special Requirements	☐ Water Disposal	☑ COM	□ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements	☑ Break Testing	✓ Offline	
Variance	_	Cementing	Clearance

A. CASING

Shallow Design A:

- 1. The **13-3/8** inch surface casing shall be set at approximately **918** feet **TVD** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **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.
- 2. The 9-5/8 inch intermediate casing shall be set at approximately 5,122 feet TVD.
 - Mud weight could brine up to 10.2ppg. Reviewed and OK
 - Keep casing half full during run for collapse SF

The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 3. The **5-1/2** inch production casing shall be set at approximately **27,154** feet. 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.

Shallow Design B:

- 1. The **10-3/4** inch surface casing shall be set at approximately **918** feet **TVD** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall

be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **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.
- 2. The 8-5/8 inch intermediate casing shall be set at approximately 5,122 feet TVD.
 - Mud weight could brine up to 10.2ppg. Reviewed and OK
 - Keep casing half full during run for collapse SF

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.
- 3. The **5-1/2** inch production casing shall be set at approximately **27,154** feet. 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.

Shallow Design C:

- 1. The **13-3/8** inch surface casing shall be set at approximately **918** feet **TVD** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **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.
- 2. The 9-5/8 inch intermediate casing shall be set at approximately 5,122 feet TVD.
 - Mud weight could brine up to 10.2ppg. Reviewed and OK
 - Keep casing half full during run for collapse SF

The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 3. The **6** inch production casing shall be set at approximately **27,154** feet. The minimum required fill of cement behind the **6** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Shallow Design D:

- 1. The 13-3/8 inch surface casing shall be set at approximately 918 feet TVD (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - e. 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.
 - f. 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)
 - g. 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.
 - h. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The 9-5/8 inch intermediate casing shall be set at approximately 5,122 feet TVD.
 - Mud weight could brine up to 10.2ppg. Reviewed and OK
 - Keep casing half full during run for collapse SF

The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
- 3. The 6 inch x 5.5 inch tapered production casing shall be set at approximately 27,154 feet. The minimum required fill of cement behind the 6 inch x 5.5 inch tapered production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Production Bradenhead Plan Reviewed and is OK for all four designs.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system) BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per 43 CFR part 3170 Subpart 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

Offline cementing OK for surface and intermediate intervals. Notify the BLM prior to the commencement of any offline cementing procedure.

Casing Clearance:

- Overlap clearance OK.
- Salt annular variance in place.
- 1" surface clearance not met. Operator aware and will perf and squeeze if necessary

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate "coffee ground or less" before cementing.

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)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220; **BLM_NM_CFO_DrillingNotifications@BLM.GOV**; (575) 361-2822

Contact Lea County Petroleum Engineering Inspection Staff:

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
 - i.Notify the BLM when moving in and removing the Spudder Rig.
 - ii.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.
 - iii.BOP/BOPE test to be conducted per **43 CFR 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.
- 3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

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. <u>Wait on cement (WOC) for Potash Areas:</u> 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 <u>8 hours</u>. 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-Q 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 3172**.
- 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:
 - i.Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- ii.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.
- iii.Manufacturer representative shall install the test plug for the initial BOP test.
- iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
- v.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.
 - i.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).
 - ii. 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.)
 - iii. 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 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).
 - iv. 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.
 - v.The results of the test shall be reported to the appropriate BLM office.
 - vi.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.
 - vii. 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.
 - viii.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 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.

KPI 10/15/2024



Midland

Lea County, NM (NAD 83 NME) Lakewood XL 28 Fed Com #525H

OH

Plan: Plan #0.1 RT

Standard Planning Report

26 September, 2024



Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

 Well:
 #525H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference: TVD Reference:

MD Reference:
North Reference:

Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

Minimum Curvature

Project Lea County, NM (NAD 83 NME)

Map System:US State Plane 1983Geo Datum:North American Datum 1983Map Zone:New Mexico Eastern Zone

System Datum:

Mean Sea Level

Site Lakewood XL 28 Fed Com

 Site Position:
 Northing:
 399,358.00 usft
 Latitude:
 32° 5' 41.843 N

 From:
 Map
 Easting:
 809,420.00 usft
 Longitude:
 103° 28' 3.500 W

Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 "

Well #525H

Well Position +N/-S 0.0 usft Northing: 399,351.00 usft Latitude: 32° 5' 41.838 N +E/-W 0.0 usft Easting: 808,604.00 usft Longitude: 103° 28' 12.986 W **Position Uncertainty** 0.0 usft Wellhead Elevation: usft **Ground Level:** 3,321.0 usft

Grid Convergence: 0.46 °

Wellbore OH

 Magnetics
 Model Name
 Sample Date
 Declination (°)
 Dip Angle (°)
 Field Strength (nT)

 IGRF2020
 9/26/2024
 6.10
 59.68
 47,085.98198811

Design Plan #0.1 RT

Audit Notes:

Version:Phase:PLANTie On Depth:0.0

 Vertical Section:
 Depth From (TVD) (usft)
 +N/-S +E/-W (usft)
 Direction (usft)

 0.0
 0.0
 0.0
 355.51

Plan Survey Tool Program Date 9/26/2024

Depth From Depth To

(usft) (usft) Survey (Wellbore) Tool Name Remarks

1 0.0 26,808.4 Plan #0.1 RT (OH) EOG MWD+IFR1

MWD + IFR1



Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

Well: #525H Wellbore: 0H

Design: Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,043.9	10.88	258.67	2,040.7	-10.1	-50.5	2.00	2.00	0.00	258.67	
7,404.9	10.88	258.67	7,305.3	-208.9	-1,042.5	0.00	0.00	0.00	0.00	
7,948.9	0.00	0.00	7,846.0	-219.0	-1,093.0	2.00	-2.00	0.00	180.00	
10,850.4	0.00	0.00	10,747.5	-219.0	-1,093.0	0.00	0.00	0.00	0.00	KOP(Lakewood XL 28
11,070.8	26.46	0.00	10,960.2	-169.0	-1,093.0	12.00	12.00	0.00	0.00	FTP(Lakewood XL 28
11,600.3	90.00	359.55	11,224.9	258.5	-1,095.3	12.00	12.00	-0.09	-0.51	
16,351.0	90.00	359.55	11,225.0	5,009.0	-1,133.0	0.00	0.00	0.00	0.00	Fed Perf 1(Lakewood
26,808.4	90.00	359.56	11,225.0	15,466.0	-1,215.0	0.00	0.00	0.00	82.43	PBHL(Lakewood XL 2

eog resources

Planning Report

Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

 Well:
 #525H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

200.g									
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	2.00	258.67	1,600.0	-0.3	-1.7	-0.2	2.00	2.00	0.00
1,700.0	4.00	258.67	1,699.8	-1.4	-6.8	-0.8	2.00	2.00	0.00
1,800.0	6.00	258.67	1,799.5	-3.1	-15.4	-1.9	2.00	2.00	0.00
1,900.0	8.00	258.67	1,898.7	-5.5	-27.3	-3.3	2.00	2.00	0.00
2,000.0	10.00	258.67	1,997.5	-8.6	-42.7	-5.2	2.00	2.00	0.00
2,043.9	10.88	258.67	2,040.7	-10.1	-50.5	-6.1	2.00	2.00	0.00
2,100.0	10.88	258.67	2,095.7	-12.2	-60.9	-7.4	0.00	0.00	0.00
2,200.0	10.88	258.67	2,193.9	-15.9	-79.4	-9.6	0.00	0.00	0.00
2,300.0	10.88	258.67	2,292.1	-19.6	-97.9	-11.9	0.00	0.00	0.00
2,400.0	10.88	258.67	2,390.3	-23.3	-116.4	-14.1	0.00	0.00	0.00
2,500.0	10.88	258.67	2,488.5	-27.0	-134.9	-16.4	0.00	0.00	0.00
2,600.0	10.88	258.67	2,586.7	-30.7	-153.4	-18.6	0.00	0.00	0.00
2,700.0	10.88	258.67	2,684.9	-34.4	-171.9	-20.9	0.00	0.00	0.00
2,800.0	10.88	258.67	2,783.2	-38.1	-190.4	-23.1	0.00	0.00	0.00
2,900.0	10.88	258.67	2,881.4	-41.9	-208.9	-25.4	0.00	0.00	0.00
3,000.0	10.88	258.67	2,979.6	-45.6	-227.4	-27.6	0.00	0.00	0.00
3,100.0	10.88	258.67	3,077.8	-49.3	-245.9	-29.9	0.00	0.00	0.00
3,200.0	10.88	258.67	3,176.0	-53.0	-264.4	-32.1	0.00	0.00	0.00
3,300.0	10.88	258.67	3,274.2	-56.7	-282.9	-34.4	0.00	0.00	0.00
	40.00						0.00	0.00	0.00
3,400.0	10.88	258.67	3,372.4	-60.4	-301.4	-36.6	0.00	0.00	0.00
3,500.0	10.88	258.67	3,470.6	-64.1	-319.9	-38.8	0.00	0.00	0.00
3,600.0	10.88	258.67	3,568.8	-67.8	-338.4	-41.1	0.00	0.00	0.00
3,700.0	10.88	258.67	3,667.0	-71.5	-356.9	-43.3	0.00	0.00	0.00
3,800.0	10.88	258.67	3,765.2	-75.2	-375.4	-45.6	0.00	0.00	0.00
3,900.0	10.88	258.67	3,863.4	-78.9	-393.9	-47.8	0.00	0.00	0.00
4,000.0	10.88	258.67	3,961.6	-82.6	-412.4	-50.1	0.00	0.00	0.00
4,100.0	10.88	258.67	4,059.8	-86.3	-431.0	-52.3	0.00	0.00	0.00
4,200.0	10.88	258.67	4,158.0	-90.1	-449.5	-54.6	0.00	0.00	0.00
4,300.0	10.88	258.67	4,256.2	-93.8	-468.0	-56.8	0.00	0.00	0.00
4,400.0	10.88	258.67	4,354.4	-97.5	-486.5	-59.1	0.00	0.00	0.00
4,500.0	10.88	258.67	4,452.6	-101.2	-505.0	-61.3	0.00	0.00	0.00
4,600.0	10.88	258.67	4,550.8	-104.9	-523.5	-63.6	0.00	0.00	0.00
4,700.0	10.88	258.67	4,649.0	-108.6	-542.0	-65.8	0.00	0.00	0.00
4,800.0	10.88	258.67	4,747.2	-112.3	-560.5	-68.1	0.00	0.00	0.00
4,900.0	10.88	258.67	4,845.4	-116.0	-579.0	-70.3	0.00	0.00	0.00
5,000.0	10.88	258.67	4,943.6	-119.7	-597.5	-72.6	0.00	0.00	0.00
5,100.0	10.88	258.67							
	IU.00	∠30.07	5,041.8	-123.4	-616.0	-74.8	0.00	0.00	0.00
5,200.0	10.88	258.67	5,140.0	-127.1	-634.5	-77.0	0.00	0.00	0.00



Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

Well: #525H Wellbore: OH Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

esign:	Plan #0.1 RT								
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)
5,300.0	10.88	258.67	5,238.2	-130.8	-653.0	-79.3	0.00	0.00	0.00
5,400.0	10.88	258.67	5,336.4	-134.5	-671.5	-81.5	0.00	0.00	0.00
5,500.0	10.88	258.67	5,434.6	-138.3	-690.0	-83.8	0.00	0.00	0.00
5,600.0	10.88	258.67	5,532.8	-142.0	-708.5	-86.0	0.00	0.00	0.00
5,700.0	10.88	258.67	5,631.0	-145.7	-727.0	-88.3	0.00	0.00	0.00
5,800.0	10.88	258.67	5,729.2	-149.4	-745.5	-90.5	0.00	0.00	0.00
5,900.0	10.88	258.67	5,827.4	-153.1	-764.0	-92.8	0.00	0.00	0.00
6,000.0	10.88	258.67	5,925.6	-156.8	-782.5	-95.0	0.00	0.00	0.00
6,100.0	10.88	258.67	6,023.8	-160.5	-801.0	-97.3	0.00	0.00	0.00
6,200.0	10.88	258.67	6,122.1	-164.2	-819.6	-99.5	0.00	0.00	0.00
6,300.0	10.88	258.67	6,220.3	-167.9	-838.1	-101.8	0.00	0.00	0.00
6,400.0	10.88	258.67	6,318.5	-171.6	-856.6	-104.0	0.00	0.00	0.00
6,500.0	10.88	258.67	6,416.7	-175.3	-875.1	-106.3	0.00	0.00	0.00
6,600.0	10.88	258.67	6,514.9	-179.0	-893.6	-108.5	0.00	0.00	0.00
6,700.0	10.88	258.67	6,613.1	-182.7	-912.1	-110.8	0.00	0.00	0.00
6,800.0	10.88	258.67	6,711.3	-186.5	-930.6	-113.0	0.00	0.00	0.00
6,900.0	10.88	258.67	6,809.5	-190.2	-949.1	-115.2	0.00	0.00	0.00
7,000.0	10.88	258.67	6,907.7	-193.9	-967.6	-117.5	0.00	0.00	0.00
7,100.0	10.88	258.67	7,005.9	-197.6	-986.1	-119.7	0.00	0.00	0.00
7,200.0	10.88	258.67	7,104.1	-201.3	-1,004.6	-122.0	0.00	0.00	0.00
7,300.0	10.88	258.67	7,202.3	-205.0	-1,023.1	-124.2	0.00	0.00	0.00
7,404.9	10.88	258.67	7,305.3	-208.9	-1,042.5	-126.6	0.00	0.00	0.00
7,500.0	8.98	258.67	7,399.0	-212.1	-1,058.6	-128.5	2.00	-2.00	0.00
7,600.0	6.98	258.67	7,498.0	-214.8	-1,072.2	-130.2	2.00	-2.00	0.00
7,700.0	4.98	258.67	7,597.5	-216.9	-1,082.4	-131.4	2.00	-2.00	0.00
7,800.0	2.98	258.67	7,697.2	-218.2	-1,089.2	-132.3	2.00	-2.00	0.00
7,900.0	0.98	258.67	7,797.1	-218.9	-1,092.6	-132.7	2.00	-2.00	0.00
7,948.9	0.00	0.00	7,846.0	-219.0	-1,093.0	-132.7	2.00	-2.00	0.00
8,000.0	0.00	0.00	7,897.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,100.0	0.00	0.00	7,997.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,097.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,197.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,297.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,397.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,497.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,597.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,697.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,797.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,897.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,100.0	0.00	0.00	8,997.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,097.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,197.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,297.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,397.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,497.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,597.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,697.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,797.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,897.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,100.0	0.00	0.00	9,997.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,097.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,197.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,297.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,500.0	0.00	0.00	10,397.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00



Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

 Well:
 #525H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

Design:	Plan #0.1 RT								
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)
10,600.0	0.00	0.00	10,497.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,700.0	0.00	0.00	10,597.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,800.0	0.00	0.00	10,697.1	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,850.4	0.00	0.00	10,747.5	-219.0	-1,093.0	-132.7	0.00	0.00	0.00
10,875.0	2.96	0.00	10,772.1	-218.4	-1,093.0	-132.1	12.00	12.00	0.00
10,900.0	5.96	0.00	10,797.0	-216.4	-1,093.0	-130.2	12.00	12.00	0.00
10,925.0	8.96	0.00	10,821.8	-213.2	-1,093.0	-126.9	12.00	12.00	0.00
10,950.0	11.96	0.00	10,846.4	-208.6	-1,093.0	-122.4	12.00	12.00	0.00
10,975.0	14.96	0.00	10,870.7	-202.8	-1,093.0	-116.6	12.00	12.00	0.00
11,000.0	17.96	0.00	10,894.7	-195.7	-1,093.0	-109.5	12.00	12.00	0.00
11,025.0	20.96	0.00	10,918.3	-187.4	-1,093.0	-101.2	12.00	12.00	0.00
11,050.0	23.96	0.00	10,941.4	-177.9	-1,093.0	-91.7	12.00	12.00	0.00
11,070.8	26.46	0.00	10,960.2	-169.0	-1,093.0	-82.9	12.00	12.00	0.00
11,075.0	26.96	359.99	10,963.9	-167.1	-1,093.0	-81.0	12.00	12.00	-0.23
11,100.0	29.96	359.94	10,985.9	-155.2	-1,093.0	-69.1	12.00	12.00	-0.21
11,125.0	32.96	359.89	11,007.2	-142.2	-1,093.0	-56.1	12.00	12.00	-0.17
11,150.0	35.96	359.86	11,027.8	-128.0	-1,093.1	-42.0	12.00	12.00	-0.15
11,175.0	38.96	359.83	11,047.7	-112.8	-1,093.1	-26.9	12.00	12.00	-0.13
11,200.0	41.96	359.80	11,066.7	-96.6	-1,093.2	-10.7	12.00	12.00	-0.11
11,225.0	44.96	359.77	11,084.9	-79.4	-1,093.2	6.5	12.00	12.00	-0.10
11,250.0	47.96 50.06	359.75	11,102.1	-61.3	-1,093.3	24.5	12.00	12.00	-0.09
11,275.0	50.96	359.73	11,118.3	-42.3	-1,093.4	43.5	12.00	12.00	-0.08
11,300.0	53.96	359.71	11,133.6	-22.5	-1,093.5	63.2	12.00	12.00	-0.08
11,325.0	56.96	359.69	11,147.7	-1.9	-1,093.6	83.8	12.00	12.00	-0.07
11,350.0	59.96	359.68	11,160.8	19.4	-1,093.7	105.0	12.00	12.00	-0.07
11,375.0 11,400.0	62.96 65.96	359.66 359.65	11,172.7 11,183.5	41.4 63.9	-1,093.8 -1,094.0	126.9 149.4	12.00 12.00	12.00 12.00	-0.06 -0.06
11,425.0	68.96	359.63	11,193.1	87.0	-1,094.1	172.5	12.00	12.00	-0.06
11,450.0	71.96	359.62	11,201.5	110.6	-1,094.3	195.9	12.00	12.00	-0.05
11,475.0	74.96	359.61	11,208.6	134.5	-1,094.4	219.8	12.00	12.00	-0.05
11,500.0	77.96	359.59	11,214.4	158.9	-1,094.6	244.1	12.00	12.00	-0.05
11,525.0	80.96	359.58	11,219.0	183.4	-1,094.8	268.6	12.00	12.00	-0.05
11,550.0	83.96	359.57	11,222.3	208.2	-1,095.0	293.3	12.00	12.00	-0.05
11,575.0	86.96	359.56	11,224.3	233.1	-1,095.1	318.2	12.00	12.00	-0.05
11,600.3	90.00	359.55	11,224.9	258.5	-1,095.3	343.4	12.00	12.00	-0.05
11,700.0	90.00	359.55	11,224.9	358.1	-1,096.1	442.9	0.00	0.00	0.00
11,800.0	90.00	359.55	11,224.9	458.1	-1,096.9	542.6	0.00	0.00	0.00
11,900.0	90.00	359.55	11,224.9	558.1	-1,097.7	642.4	0.00	0.00	0.00
12,000.0	90.00	359.55	11,225.0	658.1	-1,098.5	742.1	0.00	0.00	0.00
12,100.0	90.00	359.55	11,225.0	758.1	-1,099.3	841.9	0.00	0.00	0.00
12,200.0	90.00	359.55	11,225.0	858.1	-1,100.1	941.6	0.00	0.00	0.00
12,300.0	90.00	359.55	11,225.0	958.1	-1,100.9	1,041.4	0.00	0.00	0.00
12,400.0	90.00	359.55	11,225.0	1,058.1	-1,101.7	1,141.1	0.00	0.00	0.00
12,500.0	90.00	359.55	11,225.0	1,158.1	-1,102.5	1,240.9	0.00	0.00	0.00
12,600.0	90.00	359.55	11,225.0	1,258.1	-1,103.3	1,340.6	0.00	0.00	0.00
12,700.0	90.00	359.55	11,225.0	1,358.1	-1,104.1	1,440.4	0.00	0.00	0.00
12,800.0	90.00	359.55	11,225.0	1,458.1	-1,104.9	1,540.1	0.00	0.00	0.00
12,900.0	90.00	359.55	11,225.0	1,558.1	-1,105.6	1,639.9	0.00	0.00	0.00
13,000.0	90.00	359.55	11,225.0	1,658.1	-1,106.4	1,739.6	0.00	0.00	0.00
13,100.0	90.00	359.55	11,225.0	1,758.1	-1,107.2	1,839.4	0.00	0.00	0.00
13,200.0	90.00	359.55	11,225.0	1,858.1	-1,108.0	1,939.1	0.00	0.00	0.00
13,300.0	90.00	359.55	11,225.0	1,958.1	-1,108.8	2,038.9	0.00	0.00	0.00
13,400.0	90.00	359.55	11,225.0	2,058.1	-1,109.6	2,138.6	0.00	0.00	0.00
13,500.0	90.00	359.55	11,225.0	2,158.1	-1,110.4	2,238.4	0.00	0.00	0.00



Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

 Well:
 #525H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

esign:	Pidii #U. i Ki								
lanned 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)
13,600.0	90.00	359.55	11,225.0	2,258.0	-1,111.2	2,338.1	0.00	0.00	0.00
13,700.0	90.00	359.55	11,225.0	2,358.0	-1,112.0	2,437.9	0.00	0.00	0.00
13,800.0	90.00		11,225.0						
13,000.0	90.00	359.55	11,225.0	2,458.0	-1,112.8	2,537.6	0.00	0.00	0.00
13,900.0	90.00	359.55	11,225.0	2,558.0	-1,113.6	2,637.4	0.00	0.00	0.00
14,000.0	90.00	359.55	11,225.0	2,658.0	-1,114.4	2,737.1	0.00	0.00	0.00
14,100.0	90.00	359.55	11,225.0	2,758.0	-1,115.2	2,836.9	0.00	0.00	0.00
14,200.0	90.00	359.55	11,225.0	2,858.0	-1,115.9	2,936.7	0.00	0.00	0.00
14,300.0	90.00	359.55	11,225.0	2,958.0	-1,116.7	3,036.4	0.00	0.00	0.00
14,400.0	90.00	359.55	11,225.0	3,058.0	-1,117.5	3,136.2	0.00	0.00	0.00
14,500.0	90.00	359.55	11,225.0	3,158.0	-1,118.3	3,235.9	0.00	0.00	0.00
14,600.0	90.00	359.55	11,225.0	3,258.0	-1,119.1	3,335.7	0.00	0.00	0.00
14,700.0	90.00	359.55	11,225.0	3,358.0	-1,119.9	3,435.4	0.00	0.00	0.00
14,800.0	90.00	359.55	11,225.0	3,458.0	-1,120.7	3,535.2	0.00	0.00	0.00
44,000.0	00.00	250.55	11 005 0	2 550 0	1 404 5	2.024.0	0.00	0.00	0.00
14,900.0	90.00	359.55	11,225.0	3,558.0	-1,121.5	3,634.9	0.00	0.00	0.00
15,000.0	90.00	359.55	11,225.0	3,658.0	-1,122.3	3,734.7	0.00	0.00	0.00
15,100.0	90.00	359.55	11,225.0	3,758.0	-1,123.1	3,834.4	0.00	0.00	0.00
15,200.0	90.00	359.55	11,225.0	3,858.0	-1,123.9	3,934.2	0.00	0.00	0.00
15,300.0	90.00	359.55	11,225.0	3,958.0	-1,124.7	4,033.9	0.00	0.00	0.00
15,400.0	90.00	359.55	11,225.0	4,058.0	-1,125.5	4,133.7	0.00	0.00	0.00
15,500.0	90.00	359.55	11,225.0	4,158.0	-1,126.3	4,233.4	0.00	0.00	0.00
15,600.0	90.00	359.55	11,225.0	4,258.0	-1,120.3	4,333.2	0.00	0.00	0.00
	90.00		11,225.0						
15,700.0		359.55		4,358.0	-1,127.8	4,432.9	0.00	0.00	0.00
15,800.0	90.00	359.55	11,225.0	4,458.0	-1,128.6	4,532.7	0.00	0.00	0.00
15,900.0	90.00	359.55	11,225.0	4,558.0	-1,129.4	4,632.4	0.00	0.00	0.00
16,000.0	90.00	359.55	11,225.0	4,658.0	-1,130.2	4,732.2	0.00	0.00	0.00
16,100.0	90.00	359.55	11,225.0	4,758.0	-1,131.0	4,831.9	0.00	0.00	0.00
16,200.0	90.00	359.55	11,225.0	4,858.0	-1,131.8	4,931.7	0.00	0.00	0.00
16,300.0	90.00	359.55	11,225.0	4,958.0	-1,132.6	5,031.4	0.00	0.00	0.00
16,351.0	90.00	359.55	11,225.0	5,009.0	-1,133.0	5,082.3	0.00	0.00	0.00
16,400.0	90.00	359.55	11,225.0	5,058.0	-1,133.4	5,131.2	0.00	0.00	0.00
16,500.0	90.00	359.55	11,225.0	5,158.0	-1,134.2	5,230.9	0.00	0.00	0.00
16,600.0	90.00	359.55	11,225.0	5,258.0	-1,135.0	5,330.7	0.00	0.00	0.00
16,700.0	90.00	359.55	11,225.0	5,358.0	-1,135.8	5,430.4	0.00	0.00	0.00
40,000,0	00.00	050.55	44 005 0	5 457 0	4 400 0	5 500 0	0.00	0.00	0.00
16,800.0	90.00	359.55	11,225.0	5,457.9	-1,136.6	5,530.2	0.00	0.00	0.00
16,900.0	90.00	359.55	11,225.0	5,557.9	-1,137.3	5,629.9	0.00	0.00	0.00
17,000.0	90.00	359.55	11,225.0	5,657.9	-1,138.1	5,729.7	0.00	0.00	0.00
17,100.0	90.00	359.55	11,225.0	5,757.9	-1,138.9	5,829.5	0.00	0.00	0.00
17,200.0	90.00	359.55	11,225.0	5,857.9	-1,139.7	5,929.2	0.00	0.00	0.00
17,300.0	90.00	359.55	11,225.0	5,957.9	-1,140.5	6,029.0	0.00	0.00	0.00
17,400.0	90.00	359.55	11,225.0	6,057.9	-1,140.3	6,128.7	0.00	0.00	0.00
17,400.0	90.00	359.55 359.55	11,225.0	6,057.9 6,157.9	-1,141.3 -1,142.1	6,228.5	0.00	0.00	0.00
17,500.0			11,225.0	6,157.9					
	90.00	359.55	,	,	-1,142.9	6,328.2	0.00	0.00	0.00
17,700.0	90.00	359.55	11,225.0	6,357.9	-1,143.7	6,428.0	0.00	0.00	0.00
17,800.0	90.00	359.55	11,225.0	6,457.9	-1,144.5	6,527.7	0.00	0.00	0.00
17,900.0	90.00	359.55	11,225.0	6,557.9	-1,145.3	6,627.5	0.00	0.00	0.00
18,000.0	90.00	359.55	11,225.0	6,657.9	-1,146.0	6,727.2	0.00	0.00	0.00
18,100.0	90.00	359.55	11,225.0	6,757.9	-1,146.8	6,827.0	0.00	0.00	0.00
18,200.0	90.00	359.55	11,225.0	6,857.9	-1,147.6	6,926.7	0.00	0.00	0.00
					-1,147.0				
18,300.0	90.00	359.55	11,225.0	6,957.9	-1,148.4	7,026.5	0.00	0.00	0.00
18,400.0	90.00	359.55	11,225.0	7,057.9	-1,149.2	7,126.2	0.00	0.00	0.00
18,500.0	90.00	359.55	11,225.0	7,157.9	-1,150.0	7,226.0	0.00	0.00	0.00
18,600.0	90.00	359.55	11,225.0	7,257.9	-1,150.8	7,325.7	0.00	0.00	0.00
18,700.0	90.00	359.55	11,225.0	7,357.9	-1,151.6	7,425.5	0.00	0.00	0.00
18,800.0	90.00	359.55	11,225.0	7,457.9	-1,152.4	7,525.2	0.00	0.00	0.00



Database: PEDMB Company: Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

 Well:
 #525H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #525H

kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

Design:	Plan #0.1 RT								
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)
18,900.0	90.00	359.55	11,225.0	7,557.9	-1,153.2	7,625.0	0.00	0.00	0.00
19,000.0	90.00	359.55	11,225.0	7,657.9	-1,153.9	7,724.7	0.00	0.00	0.00
19,100.0	90.00	359.55	11,225.0	7,757.9	-1,154.7	7,824.5	0.00	0.00	0.00
19,200.0	90.00	359.55	11,225.0	7,857.9	-1,155.5	7,924.2	0.00	0.00	0.00
19,300.0	90.00	359.55	11,225.0	7,957.9	1 156 2	8,024.0	0.00	0.00	0.00
19,400.0	90.00	359.55	11,225.0	8,057.9	-1,156.3 -1,157.1	8,123.7	0.00	0.00	0.00
19,500.0	90.00	359.55	11,225.0	8,157.9	-1,157.1	8,223.5	0.00	0.00	0.00
19,600.0	90.00	359.55	11,225.0	8,257.9	-1,158.7	8,323.2	0.00	0.00	0.00
19,700.0	90.00	359.55	11,225.0	8,357.9	-1,159.5	8,423.0	0.00	0.00	0.00
19,800.0	90.00	359.55	11,225.0	8,457.9	-1,160.2	8,522.7	0.00	0.00	0.00
19,800.0	90.00	359.55	11,225.0	8,557.9	-1,160.2	8,622.5	0.00	0.00	0.00
20,000.0	90.00	359.55	11,225.0	8,657.8	-1,161.8	8,722.2	0.00	0.00	0.00
20,100.0	90.00	359.55	11,225.0	8,757.8	-1,162.6	8,822.0	0.00	0.00	0.00
20,200.0	90.00	359.55	11,225.0	8,857.8	-1,163.4	8,921.7	0.00	0.00	0.00
20,300.0 20,400.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	8,957.8 9,057.8	-1,164.2 -1,165.0	9,021.5 9,121.3	0.00 0.00	0.00 0.00	0.00 0.00
20,500.0	90.00	359.55	11,225.0	9,057.8 9,157.8	-1,165.0	9,121.3	0.00	0.00	0.00
20,600.0	90.00	359.55	11,225.0	9,257.8	-1,166.5	9,320.8	0.00	0.00	0.00
20,700.0	90.00	359.55	11,225.0	9,357.8	-1,167.3	9,420.5	0.00	0.00	0.00
					,				
20,800.0	90.00	359.55	11,225.0	9,457.8	-1,168.1	9,520.3	0.00	0.00	0.00
20,900.0	90.00	359.55	11,225.0	9,557.8	-1,168.9	9,620.0	0.00	0.00	0.00
21,000.0 21,100.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	9,657.8 9,757.8	-1,169.7 -1,170.5	9,719.8 9,819.5	0.00 0.00	0.00 0.00	0.00 0.00
21,200.0	90.00	359.55	11,225.0	9,857.8	-1,170.3	9,919.3	0.00	0.00	0.00
21,300.0	90.00	359.55	11,225.0	9,957.8	-1,172.0	10,019.0	0.00	0.00	0.00
21,400.0	90.00	359.55	11,225.0	10,057.8	-1,172.8	10,118.8	0.00	0.00	0.00
21,500.0	90.00	359.55 359.55	11,225.0 11,225.0	10,157.8	-1,173.6	10,218.5	0.00 0.00	0.00	0.00
21,600.0 21,700.0	90.00 90.00	359.55	11,225.0	10,257.8 10,357.8	-1,174.4 -1,175.2	10,318.3 10,418.0	0.00	0.00 0.00	0.00 0.00
21,800.0	90.00	359.55	11,225.0	10,457.8	-1,175.9	10,517.8	0.00	0.00	0.00
21,900.0	90.00	359.55	11,225.0	10,557.8	-1,176.7	10,617.5	0.00	0.00	0.00
22,000.0 22,100.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	10,657.8	-1,177.5	10,717.3	0.00 0.00	0.00 0.00	0.00 0.00
22,200.0	90.00	359.55	11,225.0	10,757.8 10,857.8	-1,178.3 -1,179.1	10,817.0 10,916.8	0.00	0.00	0.00
22,300.0	90.00	359.55	11,225.0	10,957.8	-1,179.9	11,016.5	0.00	0.00	0.00
22,400.0	90.00	359.55 350.55	11,225.0	11,057.8	-1,180.6	11,116.3	0.00	0.00	0.00
22,500.0 22,600.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	11,157.8 11,257.8	-1,181.4 -1,182.2	11,216.0 11,315.8	0.00 0.00	0.00 0.00	0.00 0.00
22,700.0	90.00	359.55	11,225.0	11,357.8	-1,182.2 -1,183.0	11,415.5	0.00	0.00	0.00
22,800.0	90.00	359.55	11,225.0	11,457.8	-1,183.8	11,515.3	0.00	0.00	0.00
22,900.0	90.00	359.55	11,225.0	11,557.8	-1,184.6	11,615.0	0.00	0.00	0.00
23,000.0 23,100.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	11,657.8 11,757.8	-1,185.3 -1,186.1	11,714.8 11,814.5	0.00 0.00	0.00 0.00	0.00 0.00
23,200.0	90.00	359.55	11,225.0	11,757.6	-1,186.9	11,014.3	0.00	0.00	0.00
·									
23,300.0	90.00	359.55	11,225.0	11,957.7	-1,187.7	12,014.0	0.00	0.00	0.00
23,400.0	90.00	359.55 359.55	11,225.0 11,225.0	12,057.7 12,157.7	-1,188.5 1 180 3	12,113.8	0.00	0.00	0.00
23,500.0 23,600.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	12,157.7 12,257.7	-1,189.3 -1,190.0	12,213.5 12,313.3	0.00 0.00	0.00 0.00	0.00 0.00
23,700.0	90.00	359.55	11,225.0	12,257.7	-1,190.0	12,313.3	0.00	0.00	0.00
23,800.0	90.00	359.55	11,225.0	12,457.7	-1,191.6	12,512.8	0.00	0.00	0.00
23,900.0	90.00	359.55	11,225.0	12,557.7	-1,192.4	12,612.5	0.00	0.00	0.00
24,000.0 24,100.0	90.00 90.00	359.55 359.55	11,225.0 11,225.0	12,657.7 12,757.7	-1,193.2 -1,193.9	12,712.3 12,812.0	0.00 0.00	0.00 0.00	0.00 0.00
24,100.0	90.00	359.55	11,225.0	12,757.7	-1,193.9	12,911.8	0.00	0.00	0.00
24,200.0	30.00		11,220.0	12,001.1	1,107.1	12,511.0	0.00	0.00	

eog resources

Planning Report

Database: Company:

PEDMB Midland

Project: Lea County, NM (NAD 83 NME)
Site: Lakewood XL 28 Fed Com

 Well:
 #525H

 Wellbore:
 OH

 Design:
 Plan #0.1 RT

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #525H

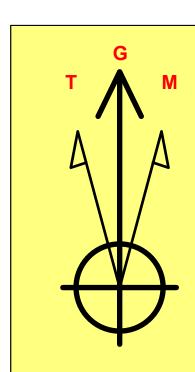
kb = 26' @ 3347.0usft kb = 26' @ 3347.0usft

Grid

anned 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)
24,300.0	90.00	359.55	11,225.0	12,957.7	-1,195.5	13,011.5	0.00	0.00	0.00
24,400.0	90.00	359.55	11,225.0	13,057.7	-1,196.3	13,111.3	0.00	0.00	0.00
24,500.0	90.00	359.55	11,225.0	13,157.7	-1,197.1	13,211.0	0.00	0.00	0.00
24,600.0	90.00	359.55	11,225.0	13,257.7	-1,197.8	13,310.8	0.00	0.00	0.00
24,700.0	90.00	359.55	11,225.0	13,357.7	-1,198.6	13,410.5	0.00	0.00	0.00
24,800.0	90.00	359.55	11,225.0	13,457.7	-1,199.4	13,510.3	0.00	0.00	0.00
24,900.0	90.00	359.55	11,225.0	13,557.7	-1,200.2	13,610.0	0.00	0.00	0.00
25,000.0	90.00	359.55	11,225.0	13,657.7	-1,200.9	13,709.8	0.00	0.00	0.00
25,100.0	90.00	359.55	11,225.0	13,757.7	-1,201.7	13,809.6	0.00	0.00	0.00
25,200.0	90.00	359.55	11,225.0	13,857.7	-1,202.5	13,909.3	0.00	0.00	0.00
25,300.0	90.00	359.55	11,225.0	13,957.7	-1,203.3	14,009.1	0.00	0.00	0.00
25,400.0	90.00	359.55	11,225.0	14,057.7	-1,204.1	14,108.8	0.00	0.00	0.00
25,500.0	90.00	359.55	11,225.0	14,157.7	-1,204.8	14,208.6	0.00	0.00	0.00
25,600.0	90.00	359.55	11,225.0	14,257.7	-1,205.6	14,308.3	0.00	0.00	0.00
25,700.0	90.00	359.55	11,225.0	14,357.7	-1,206.4	14,408.1	0.00	0.00	0.00
25,800.0	90.00	359.55	11,225.0	14,457.7	-1,207.2	14,507.8	0.00	0.00	0.00
25,900.0	90.00	359.55	11,225.0	14,557.7	-1,207.9	14,607.6	0.00	0.00	0.00
26,000.0	90.00	359.55	11,225.0	14,657.7	-1,208.7	14,707.3	0.00	0.00	0.00
26,100.0	90.00	359.55	11,225.0	14,757.7	-1,209.5	14,807.1	0.00	0.00	0.00
26,200.0	90.00	359.56	11,225.0	14,857.7	-1,210.3	14,906.8	0.00	0.00	0.00
26,300.0	90.00	359.56	11,225.0	14,957.7	-1,211.1	15,006.6	0.00	0.00	0.00
26,400.0	90.00	359.56	11,225.0	15,057.7	-1,211.8	15,106.3	0.00	0.00	0.00
26,500.0	90.00	359.56	11,225.0	15,157.6	-1,212.6	15,206.1	0.00	0.00	0.00
26,600.0	90.00	359.56	11,225.0	15,257.6	-1,213.4	15,305.8	0.00	0.00	0.00
26,700.0	90.00	359.56	11,225.0	15,357.6	-1,214.2	15,405.6	0.00	0.00	0.00
26,808.4	90.00	359.56	11,225.0	15,466.0	-1,215.0	15,513.7	0.00	0.00	0.00

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
KOP(Lakewood XL 28 F - plan hits target cer - Point	0.00 ter	0.00	10,747.5	-219.0	-1,093.0	399,132.00	807,511.00	32° 5′ 39.758 N	103° 28' 25.711 W
FTP(Lakewood XL 28 Fe - plan hits target cer - Point		0.00	10,960.2	-169.0	-1,093.0	399,182.00	807,511.00	32° 5′ 40.252 N	103° 28' 25.706 W
Fed Perf 1(Lakewood XI - plan hits target cer - Point		0.00	11,225.0	5,009.0	-1,133.0	404,360.00	807,471.00	32° 6′ 31.493 N	103° 28' 25.692 W
PBHL(Lakewood XL 28 - plan hits target cer - Point		0.00	11,225.0	15,466.0	-1,215.0	414,817.00	807,389.00	32° 8′ 14.972 N	103° 28' 25.675 W





Azimuths to Grid North
True North: -0.46°
Magnetic North: 5.64°

Magnetic Field Strength: 47086.0nT Dip Angle: 59.68° Date: 9/26/2024 Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 5.64°
To convert a Magnetic Direction to a True Direction, Add 6.10° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

Lea County, NM (NAD 83 NME)

Lakewood XL 28 Fed Com #525H

Plan #0.1 RT

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

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

System Datum: Mean Sea Level

	SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2043.9	10.88	258.67	2040.7	-10.1	-50.5	2.00	258.67	-6.1	
4	7404.9	10.88	258.67	7305.3	-208.9	-1042.5	0.00	0.00	-126.6	
5	7948.9	0.00	0.00	7846.0	-219.0	-1093.0	2.00	180.00	-132.7	
6	10850.4	0.00	0.00	10747.5	-219.0	-1093.0	0.00	0.00	-132.7	KOP(Lakewood XL 28 Fed Com #525H)
7	11070.8	26.46	0.00	10960.2	-169.0	-1093.0	12.00	0.00	-82.9	FTP(Lakewood XL 28 Fed Com #525H)
8	11600.3	90.00	359.55	11224.9	258.5	-1095.3	12.00	-0.51	343.4	
9	16351.0	90.00	359.55	11225.0	5009.0	-1133.0	0.00	0.00	5082.3	Fed Perf 1(Lakewood XL 28 Fed Com #525H)
10	26808.4	90.00	359.56	11225.0	15466.0	-1215.0	0.00	82.43	15513.7	PBHL(Lakewood XL 28 Fed Com #525H)

CASING DETAILS

No casing data is available

10150

10850

11200

 WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

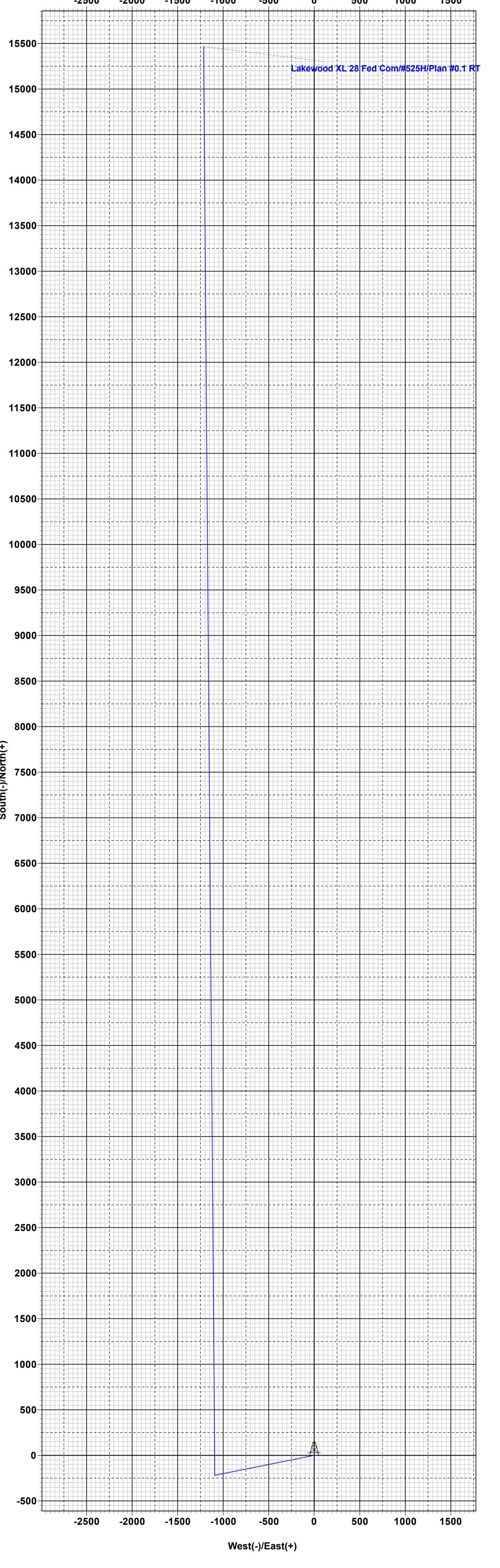
 Name
 TVD
 +N/-S
 +E/-W
 Northing
 Easting

 KOP(Lakewood XL 28 Fed Com #525H)
 10747.5
 -219.0
 -1093.0
 399132.00
 807511.00

 FTP(Lakewood XL 28 Fed Com #525H)
 10960.2
 -169.0
 -1093.0
 399182.00
 807511.00

 Fed Perf 1(Lakewood XL 28 Fed Com #525H)
 11225.0
 5009.0
 -1133.0
 404360.00
 807471.00

 PBHL(Lakewood XL 28 Fed Com #525H)
 11225.0
 15466.0
 -1215.0
 414817.00
 807389.00



West(-)/East(+)



Revised Permit Information 09/04/2024:

Well Name: Lakewood XL 28 Fed Com 525H; FKA Lakewood 28 Fed Com 754H Location: SHL: 260' FSL & 1215' FEL, Section 28, T-25-S, R-34-E, LEA Co., N.M. BHL: 100' FNL & 2310' FEL, Section 16, T-25-S, R-34-E, LEA Co., N.M.

1. CASING PROGRAM

Hole	Interval MD		Interval TVD		Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
13"	0	918	0	918	10-3/4"	40.5#	J-55	STC
9-7/8"	0	5,230	0	5,122	8-5/8"	32#	J-55	BTC-SC
7-7/8"	0	10,750	0	10,648	6"	24.5#	P110-EC	VAM Sprint-TC
6-3/4"	10,750	26,808	10,648	11,225	5-1/2"	20#	P110-EC	VAM Sprint SF

^{**}For highlighted rows above, variance is requested to run entire string of either 6" or 5-1/2" casing string above due to availability.

Variance is requested to waive the centralizer requirements for the 8-5/8" casing in the 9-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 9-7/8" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 6" and 5-1/2" casings in the 7-7/8" and 6-3/4" hole sizes. An expansion additive will be utilized, in the cement slurry, for the entire length of the 7-7/8" and 6-3/4" hole intervals to maximize cement bond and zonal isolation.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement for the intermediate (salt) section from Onshore Order #2 under the following conditions:

- The variance is not applicable within the Potash Boundaries or Capitan Reef areas.
- Operator takes responsibility to get casing to set point in the event that the clearance causes stuck pipe issues.

2. CEMENTING PROGRAM:

		Wt.	Yld	Sharma Decembration					
Depth	No. Sacks	ppg	Ft3/sk	Slurry Description					
920' 10-3/4''	220	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)					
	120	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 720')					
5,120' 8-5/8"	320	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)					
	140	14.8	1.32	Tail: Class C + 10% NaCL + 3% MagOx (TOC @ 4184')					
26,808' 6"	1000	14.8	1.32	Bradenhead squeeze: Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)					
	2230	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 7,846')					



Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

Cement integrity tests will be performed immediately following plug bump.

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

EOG requests variance from minimum standards to pump a two stage cement job on the 6" and 5-1/2" production casing strings with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (7,846') and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 400 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (1.32 yld, 14.8 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

Bradenhead will be the primary option for production cementing. EOG also requests to have the conventional option in place to accommodate for logistical or wellbore conditions. The tie back requirements will be met if the cement is pumped conventionally, and cement volumes will be adjusted accordingly. TOC will be verified by CBL.

3. MUD PROGRAM:

Depth (TVD)	Type	Weight (ppg)	Viscosity	Water Loss
0 – 920'	Fresh - Gel	8.6-8.8	28-34	N/c
920' – 5,120'	Brine	9.0-10.5	28-34	N/c
5,120' – 26,808'	Oil Base	8.8-9.5	58-68	N/c - 6



4. VARIANCE REQUESTS:

EOG requests the additional variance(s) in the attached document(s):

Variances requested include (supporting documents attached):

- BOP Break Testing for 5M Intermediate Intervals (EOG BLM Variance 3a_b)
- Offline Cementing for Surface and Intermediate Intervals (EOG BLM Variance 3a_b)
- Shallow Target Offline Bradenhead Production Cement (EOG BLM Variance 3c)
- Salt Interval Washout Annular Clearnace (EOG BLM Variance 4a)
- Alternate Shallow Casing Designs (EOG BLM Variance 5a)



8. TUBING REQUIREMENTS:

EOG respectively requests an exception to the following NMOCD rule:

• 19.15.16.10 Casing AND TUBING RQUIREMENTS:

J (3): "The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone."

With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.

260' FSL 1215' FEL **Proposed Wellbore**

KB: 3346' GL: 3321'

Section 28

T-25-S, R-34-E

API: 30-025-****

Bit Size: 13" 10-3/4", 40.5#, J-55, STC @ 0' - 920' If production Bradenhead is performed, **TOC** will be at surface TOC @ 4,730', if performed Bit Size: 9-7/8" conventionally. 8-5/8", 32.#, J-55, BTC-SC @ 0' - 5,130' Lateral: 26,808' MD, 11,225' TVD **Upper Most Perf:** Bit Size: 7-7/8"|Bit Size: 6-3/4" 100' FSL & 2310' FEL Sec. 28 6", 24.5#, P110-EC, VAM Sprint-TC **Lower Most Perf:** 100' FNL & 2310' FEL Sec. 16 @ 0' - 10,648' BH Location: 100' FNL & 2310' FEL Sec. 16, T-25-S, R-34-E 5-1/2", 20.#, P110-EC, VAM Sprint SF @ 10,648' - 26,808' KOP: 10,850' MD, 10,748' TVD

EOC: 11,600' MD, 11,225' TVD



1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	813'
Tamarisk Anhydrite	893'
Top of Salt	1,607'
Base of Salt	5,022'
Lamar	5,271'
Bell Canyon	5,302'
Cherry Canyon	6,311'
Brushy Canyon	7,846'
Bone Spring Lime	9,417'
Leonard (Avalon) Shale	9,448'
1st Bone Spring Sand	10,408'
2nd Bone Spring Shale	10,624'
2nd Bone Spring Sand	11,023'
3rd Bone Spring Carb	11,444'
3rd Bone Spring Sand	12,018'
Wolfcamp	12,484'
TD	11,225'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Bell Canyon	5,302'	Oil
Cherry Canyon	6,311'	Oil
Brushy Canyon	7,846'	Oil
Leonard (Avalon) Shale	9,448'	Oil
1st Bone Spring Sand	10,408'	Oil
2nd Bone Spring Shale	10,624'	Oil
2nd Bone Spring Sand	11,023'	Oil



EOG Batch Casing

Pad Name: Lakewood XL 28 Fed Com SHALLOW

SHL: Section 28, Township 25-S, Range 34-E, LEA County, NM

EOG requests for the below wells to be approved for all designs listed in the Blanket Casing Design ('EOG BLM Variance 5a - Alternate Shallow Casing Designs.pdf' OR 'EOG BLM Variance 5b - Alternate Deep Casing Designs.pdf') document. The MDs and TVDs for all intervals are within the boundary conditions. The max inclination and DLS are also within the boundary conditions. The directional plans for the wells are attached separately.

Well Name	API#	Surface		Intermediate		Production	
wen Name	AFI#	MD	TVD	MD	TVD	MD	TVD
Lakewood XL 28 Fed Com #226H (Lakewood 28 Fed Com 102	30-025-53598	918	918	5,131	5,122	25,848	10,355
Lakewood XL 28 Fed Com #305H (Lakewood 28 Fed Com 743	30-025-53604	918	918	5,233	5,122	26,031	10,445
Lakewood XL 28 Fed Com #306H (Lakewood 28 Fed Com 502	30-025-53600	918	918	5,264	5,122	26,060	10,445
Lakewood XL 28 Fed Com #307H (Lakewood 28 Fed Com 101	30-025-53597	918	918	5,191	5,122	25,994	10,445
Lakewood XL 28 Fed Com #308H (Lakewood 28 Fed Com 751	30-025-53605	918	918	5,126	5,122	25,932	10,445
Lakewood XL 28 Fed Com #525H (Lakewood 28 Fed Com 754	30-025-53608	918	918	5,230	5,122	26,808	11,225
Lakewood XL 28 Fed Com #526H (Lakewood 28 Fed Com 503	30-025-53601	918	918	5,261	5,122	26,838	11,225
Lakewood XL 28 Fed Com #527H (Lakewood 28 Fed Com 501	30-025-53599	918	918	5,190	5,122	26,774	11,225
Lakewood XL 28 Fed Com #528H (Lakewood 28 Fed Com 741	30-025-53602	918	918	5,126	5,122	26,712	11,225
Lakewood XL 28 Fed Com #555H (Lakewood 28 Fed Com 753	30-025-53607	918	918	5,179	5,122	26,761	11,225
Lakewood XL 28 Fed Com #584H (Lakewood 28 Fed Com 752	30-025-53606	918	918	5,128	5,122	27,153	11,664
Lakewood XL 28 Fed Com #593H (Lakewood 28 Fed Com 742	30-025-53603	918	918	5,131	5,122	27,154	11,664



EOG Batch Casing

Variances

EOG requests the additional variance(s) in the attached document(s):

- EOG BLM Variance 2a Intermediate Bradenhead Cement
- EOG BLM Variance 3a_b BOP Break-test and Offline Intermediate Cement
- EOG BLM Variance 4a Salt Section Annular Clearance
- EOG BLM Variance 5a Alternate Shallow Casing Designs



EOG Batch Casing

GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	813'
Tamarisk Anhydrite	893'
Top of Salt	1,607'
Base of Salt	5,022'
Lamar	5,271'
Bell Canyon	5,302'
Cherry Canyon	6,311'
Brushy Canyon	7,846'
Bone Spring Lime	9,417'
Leonard (Avalon) Shale	9,448'
1st Bone Spring Sand	10,408'
2nd Bone Spring Shale	10,624'
2nd Bone Spring Sand	11,023'
3rd Bone Spring Carb	11,444'
3rd Bone Spring Sand	12,018'
Wolfcamp	12,484'

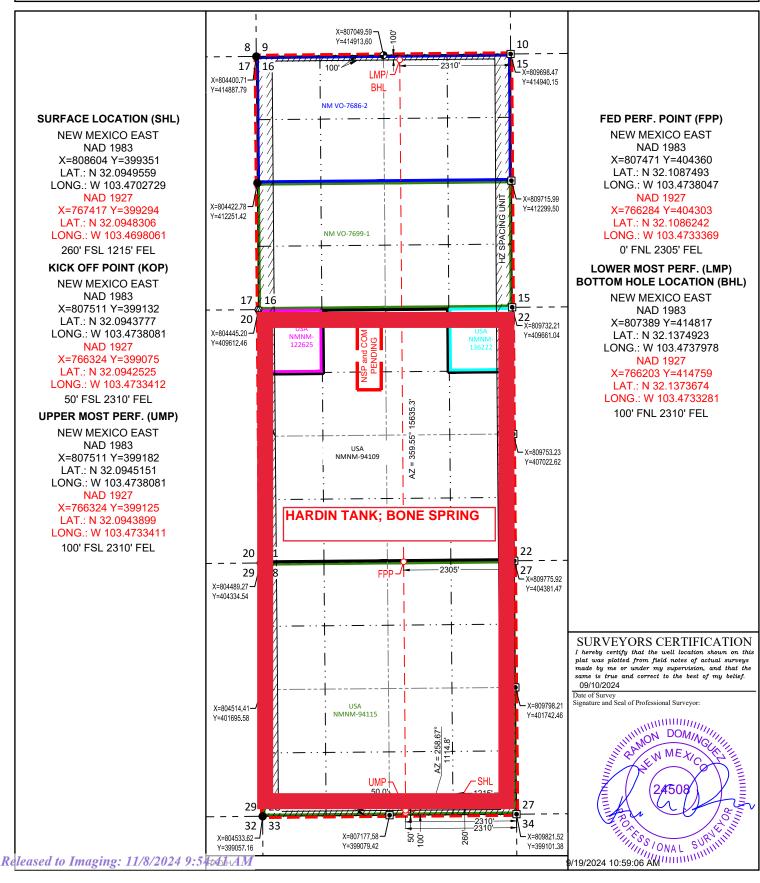
ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0-400'	Fresh Water
Bell Canyon	5,302'	Oil
Cherry Canyon	6,311'	Oil
Brushy Canyon	7,846'	Oil
Leonard (Avalon) Shale	9,448'	Oil
1st Bone Spring Sand	10,408'	Oil
2nd Bone Spring Shale	10,624'	Oil
2nd Bone Spring Sand	11,023'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting surface casing at 920' and circulating cement back to surface.

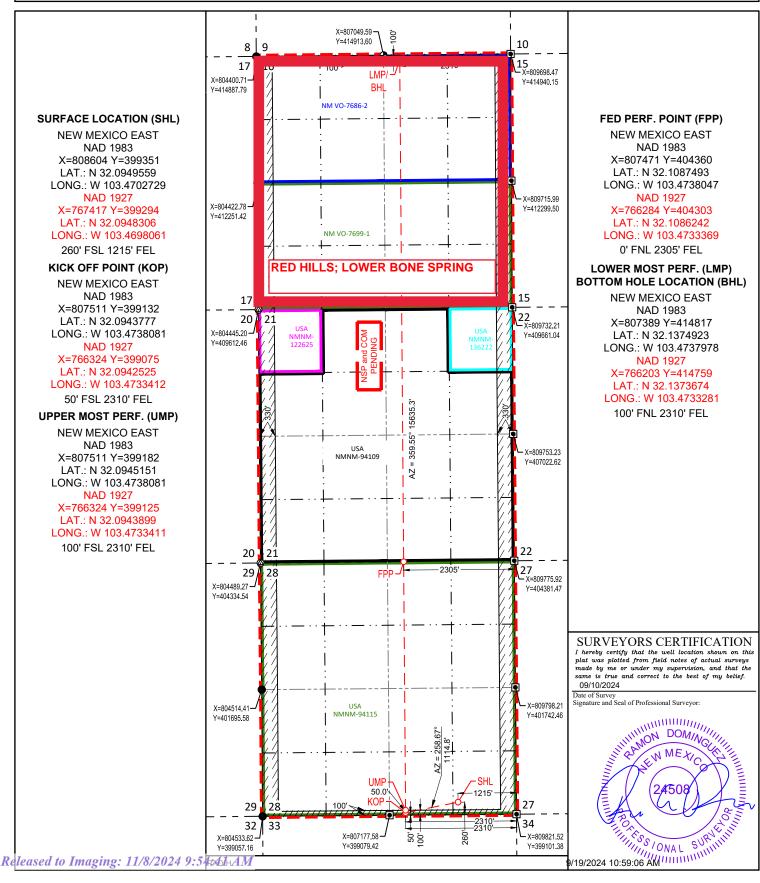
<u>C-102</u>		2027 7.70			State of New Is & Natura	Mexico I Resources Department			Revised July 9, 2024		
Submit Electronically Via OCD Permitting OIL CONSERVAT						ON DIVISION					
									mittal	X Amended Report	
								Тур	,e.	As Drilled	
		W	ELL LO	CATIO	N AND AC	REAGE DE	EDICATION	ON PL	AT		
API Number 30-025-53	3608		Pool Code	6661	Pool Na	ame	n Tank; Bo				
Property Code 326767			Property Name	LA	AKEWOOD >	KL 28 FED C	ОМ				525H
OGRID No.	7377		Operator Name		EOG RESO	URCES, INC) .			Ground Level Eleva	ation 3321'
Surface Owner:	State Fee 7	Tribal X Federal	I.			Mineral Owner:	State Fee Tr	ibal X Federa	al		
					Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitu	de		Longitude	County
Р	28	25-S	34-E	-	260' S	1215' E	N 32.09	49559	W 10	3.4702729	LEA
					Bottom Ho	le Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S		Latitu	de		Longitude	County
В	16	25-S	34-E	-	100' N	2310' E	N 32.13	74923	W 10	3.4737978	LEA
•										•	
Dedicated Acres	Infill or Defi	ning Well Defin	-	OOD XL 28 F	FED COM #305H	Overlapping Spacing Unit (Y/N) Consolidated Code C					
Order Numbers	NS	P and CO	M PENDII	NG		Well Setbacks are under Common Ownership: Yes No					
					Kick Off P	oint (KOP)					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S		Latitu	de		Longitude	County
0	28	25-S	34-E	-	50' S	2310' E	N 32.09	43777	7 W 103.4738081 LI		LEA
					F:4 T-1 1	D-:4 (ETD)					
UL or lot no.	Section	Township	Range	Lot Idn	First Take I	Feet from the E/W	Latitu	de		Longitude	County
0	28	25-S	34-E	_	100' S	2310' E	N 32.09	45151		3.4738081	LEA
TT 1.	g .:	T 1:		T . II	Last Take 1	Point (LTP) Feet from the E/W	Table	1		r 5.1 T	C .
UL or lot no.	Section 16	Township 25-S	Range 34-E	Lot Idn	Feet from the N/S	2310' E	Latitue N 32.13		\\\ 10	Longitude 33.4737978	County
ь	10	25-5	34-E	_	100 14	2310 E	14 32.13	14923	VVIC	13.4131910	LEA
				_							
Unitized Area or Ar		EEMENT		Spacing Unity	Type Horizonta	al Vertical	Gro	ound Floor Ele	evation	3346'	
							I				
ODEDATO	р Сертіі	FICATION				SHBAEAOE	OS CEDTIEI	CATION			
OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unideased 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order hereto fore entered by the division.					I hereby certify notes of actual is true and cor	that the well surveys made rect to the best	location she by the or a	mon pri t	his plat was plotted supervision, and t	d from field hat the same	
If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.						WILLIAM TO THE REAL PROPERTY OF THE PARTY OF	· Y \ /	508	100 Milli		
Star L Harrell 9/26/24						9/19/2024 10:59:05 AM					
Signature Star L Harr	ell		Date			Signature and Seal of	of Professional Sur	rveyor	Date		
Print Name						Certificate Number	D	ate of Survey			
star_harrel	l@eogres	sources.co	m					09/10	0/2024		

C-102 Submit Electronically	State of New Mexico Energy, Minerals & Natural Resources Department		Revised July 9, 2024					
Via OCD Permitting	OIL CONSERVATION DIVISION		Initial Submittal					
		Submittal Type:	Amended Report					
		31	As Drilled					
Property Name and Well Number LAKEWOOD XL 28 FED COM 525H								



<u>C-102</u>					State of New	v Mexico l Resources Department TION DIVISION REAGE DEDICATION			Revised July 9, 2024		
Submit Electronically Via OCD Permitting								eni		Initial Submittal	
Ü			`	JIL COI	VOLIT VIII			Sub	mittal		
								Тур	pe:	Amended Report	
			<u> </u> /FII I O	CATIO	N AND AC					As Drilled	
API Number		V	Pool Code		Pool No	ame					
30-025-5	3608		5	1020		RED	HILLS; LC)WER BO	ONE S	PRING	
Property Code 326767			Property Name	LA	AKEWOOD >	XL 28 FED COM			Well Number 525H		
OGRID No. 7377			Operator Name		EOG RESO	URCES, INC.			Ground Level Elevation 3321'		
Surface Owner:	State Fee '	Tribal X Federal	Mineral Owner: XState Fee Tribal XFederal						ļ		
					Cumfaca	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latit	ude		Longitude	County
Р	28	25-S	34-E	_	260' S	1215' E	N 32.09	949559	 W 10	03.4702729	LEA
					Bottom Ho	le Location			<u> </u>		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latit	ude	Longitude		County
В	16	25-S	34-E	-	100' N	2310' E	N 32.13	374923	W 103.4737978		LEA
				•						,	
Dedicated Acres		ning Well Defin		/OOD VI 20 I		Overlapping Spacing			Consolidate		
1920	INFI				FED COM #305H		N		С		
Order Numbers	NS	SP and CO	M PENDI	NG		Well Setbacks are un	nder Common Ow	vnership:	Yes No		
					Kick Off P	oint (KOP)					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latit	ititude Lo		Longitude	County
0	28	25-S	34-E	-	50' S	2310' E	N 32.09	943777	7 W 103.4738081		LEA
					First Take	Point (FTP)					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latit	Latitude		Longitude	County
0	28	25-S	34-E	-	100' S	2310' E	N 32.09	945151	W 10	03.4738081	LEA
•			•	•	Last Take l	Point (LTP)				'	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latit	Latitude I		Longitude	County
В	16	25-S	34-E	-	100' N	2310' E	N 32.13	2.1374923 W 10		03.4737978	LEA
Unitized Area or Area of Uniform Intrest COM AGREEMENT Spacing Unity Type				al Vertical	G	round Floor Elevation 3346'					
							I				
OPERATO	R CERTIF	FICATION				SURVEYOR	RS CERTIF	ICATION	<u> </u>		
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory				SURVEYORS CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by the or under my supervision, and that the same is true and correct to the best of my belief.							
pooling order If this well is received The c	heretofore ent a horizontal onsent of at	ered by the di well, I furthe least one lesse	vision. r certify that e or owner of	this organize a working in	ation has nterest or			/Y \ /	508		
unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.				9/19/2024 10:59:05 AM							
Star L Harrell 9/26/24					9/19/2024 10:59:05 AM						
Signature Star L Har	rell		Date			Signature and Seal	of Professional Si	urveyor	Date		
Print Name						Certificate Number		Date of Survey	r		
star_harre	l@eogres	sources.co	m					09/1	0/2024		

eceived by OCD: 11/8/202	24 7:48:38 AM		Page 35 of	
C-102 Submit Electronically	State of New Mexico Energy, Minerals & Natural Resources Department	Revised July 9, 2024		
Via OCD Permitting	OIL CONSERVATION DIVISION	- 4	Initial Submittal	
		Submittal Type:	Amended Report	
		31	As Drilled	
Property Name and Well Number	LAKEWOOD XL 28 FED COM 525H			
	X=807049.59 Y=414913.60			
	17			



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

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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 400667

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
5509 Champions Drive	Action Number:
Midland, TX 79706	400667
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	11/8/2024
pkautz	Administrative order required for non-standard spacing unit prior to production.	11/8/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	11/8/2024