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

Date:

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

Form C-101 August 1, 2011 Permit 349595

APPLICATION FOR PERMIT TO			
	/ J.K.I. I. KC-CNICK	. UEEPEN, PLUGDA	URADIJAZUNE

1. Operator Nam	ne and Address S RESOURCES IN	C								2. OG	RID Number 7377			
	Box 2267	C								2 40	/ 3/ / I Number			
	and, TX 79702									3. AP	30-015-5422	7		
4. Property Code			5. Property N	ame						6. We				
3311			SHERPA 12 STATE COM							0. 110	715H			
					7 Surf	ace Location								
UL - Lot	Section	Township	Ran	de .	Lot Idn	Feet From	N	N/S Line	Feet From		E/W Line	County		
C	12	25		27E	Lot Iuli	787		N		39	W	Eddy		
					8. Proposed B	ottom Hole Loo	cation	r						
UL - Lot	Section	Township	Rang	le	Lot Idn	Feet From		N/S Line	Feet From		E/W Line	County		
Ν	13	25		27E	N	230		S	2	310	W	Eddy		
					9. Poo	I Information								
PURPLE SAG	E;WOLFCAMP (G	AS)									98220			
					Additional	Well Informatio	on							
11. Work Type		12. Well Ty		13.	Cable/Rotary		14. L	ease Type	15. (
	Well		DIL					State						
16. Multiple N							19. C	Contractor	20. 8	Spud Dat	W Eddy 98220 und Level Elevation 3103 d Date 10/16/2023 e to nearest surface water			
Depth to Ground	d water		9339	Dist	Wolfcamp ance from nearest fr	resh water well			Dist					
Departo Ground				Dist					Dist					
🛛 We will be u	ising a closed-loo	p system in lie	eu of lined p	its										
				21	. Proposed Casi	ng and Cemen	t Pro	oram						
Туре	Hole Size	Casing	Size		ng Weight/ft		ng Dep		Sacks of	Cement		Estimated TOC		
Surf	12.25	9.6	25		36	1	030		370			0		
Int1	8.75	7.6	-		29.7	-	350		1460					
Prod	6.75	5.	5		17	1	9359		10	00) 7560			
				Casi	ng/Cement Prog	ram: Additiona	l Con	nments						
EOG respectf	fully requests the o	option to use tl	ne casing an	d cement pro	gram described i	n Design B of t	he dri	ll plan. The NI	MOCD will be	notified	of EOG's election	n at spud.		
				22	. Proposed Blow	vout Preventio	n Prod	aram						
	Туре				g Pressure			Test Pres	sure		Man	ufacturer		
	Double Ram			5	5000			3000)					
	ertify that the inform	mation given a	bove is true	and complete	to the best of my				OIL CONSER	VATION	DIVISION			
knowledge an														
X, if applicab	fy I have complied	a with 19.15.14	.9 (A) NIVIAU	and/or 19	9.15.14.9 (B) NMA	40								
Signature:														
Printed Name:	Electronical	ly filed by Kay	Maddox			Approved By	/:	Ward Rika	ala					
Title:	Regulatory.	Agent				Title:								
Email Address:	kay_maddo	x@eogresour	ces.com			Approved Da	ate:	9/20/2023		E	Expiration Date: 9/2	0/2025		
Date:	9/5/2023	-	Phone	: 432-686-36	58	Conditions	Conditions of Approval Attached							

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 811 S. First St., Artesin, NM 88210 Phome: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brazos Rd., Aztee, NM 87410 Phome: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, 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, New Mexico 87505

Page 2 of 32 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

□ AMENDED REPORT

.

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015- <mark>5</mark>	PI Number 4227			Pool Code 98220		Pool Name Purple Sage; Wolfcamp (Gas)			
Property Co				Well Nur	Well Number				
33115	8			SH	ERPA 12 STAT	E COM		715F	1
OGRID N					Operator Name			Elevati	
7377				EC	G RESOURCE	S, INC.		310	3'
					Surface Locat	ion		ŀ	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	12	25 S	27 E		787	NORTH	1339	WEST	EDDY
			Bott	om Hole I	Location If Diff	erent From Surfac	e		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	13	25 S	27 E		230 SOUTH 2310 WEST EDDY				
Dedicated Acres	Joint or	Infill	Consolidated Co	e Order No.					
640				PENDING COM AGREEMENT					

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.

SURFACE LOCATION NEW MEXICO EAST NAD 1983 X=598605' Y=418270' LAT=N32.149767° LONG=W104.148290° NAD 1927 X=557422' Y=418212' LAT=N32.149645° LONG=W104.147796° 787' FNL 1339' FWL KOP LOCATION NEW MEXICO EAST NAD 1983 X=599572' Y=418780' LAT=N32.151165° LONG=W104.145163° NAD 1927	X = 597260' Y = 419052' 2310' 2310' 1339'	17 SHL <u>AZ = 62.17</u> 1093.		X = 599909' Y = 419061'	и 12 12	- 428E 7	LOWER MOST PERF. NEW MEXICO EAST NAD 1983 X=599658' Y=408750' LAT=N32.123593° LONG=W104.144944° NAD 1927 X=558474' Y=408692' LAT=N32.123471° LONG=W104.144451° 330' FSL 2310' FWL BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 X=599659' Y=408650' LAT=N32.123318° LONG=W104.144941°
X=558389' Y=418722' LAT=N32.151043° LONG=W104.144670° 280' FNL 2310' FWL FIRST TAKE POINT NEW MEXICO EAST NAD 1983 X=599572' Y=418730' LAT=N32.151027° LONG=W104.145162° NAD 1927 X=558389' Y=418672'	X = 597281' Y = 416389' X = 597300' Y = 413728' 11	ST NM VA-2219-1	AZ = 179.57°, 5034.1'	X = 599949' Y = 413749'	12		NAD 1927 X=558475' Y=408592' LAT=N32.123196° LONG=W104.144449° 230' FSL 2310' FWL
LAT=N32.150906° LONG=W104.144669° 330' FNL 2310' FWL		NIT ST NM VB-1795-1	FEE LEASE		13	18 	
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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	2310 2310 233 X = 597351' Y = 408403'	HZ SPACING U	BHL 230'-230'-330)' X = 599978' Y = 408422'	<u>13</u> 24		SURVEYORS 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. FEBRUARY 11, 2021 Date of Survey Signature and Seal of Professional Surveyor:
Star L Harrell Print Name Star_harrell@eogresources.com E-mail Address				Job No	o.: EOG_B21000	 4 ТІМ	C. PAPPAS, N.M.P.L.S. Certificate Number 21209

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

PERMIT CONDITIONS OF APPROVAL

Operator Nan	ne and Address:	API Number:						
EC	DG RESOURCES INC [7377]	30-015-54227						
P.	O. Box 2267	Well:						
Mi	idland, TX 79702	SHERPA 12 STATE COM #715H						
OCD	Condition							
Reviewer								
ward.rikala	Notify OCD 24 hours prior to casing & cement							
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104							
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface	ce, the operator shall drill without interruption through the						
	fresh water zone or zones and shall immediately set in cement the water protection string							
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing							
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the	e oil or diesel. This includes synthetic oils. Oil based mud,						
	drilling fluids and solids must be contained in a steel closed loop system							
ward.rikala	vard.rikala The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud							
ward.rikala	vard.rikala If a bradenhead squeeze is used during the cementing of the intermediate casing, then a CBL will be required to verify the integrity of the cement behind the intermediate							
	casing.							

ward.rikala The Rustler formation is present in this area. As such, a surface casing string is required to be sat and cemented after 70' penetration into the Rustler formation.

Form APD Conditions

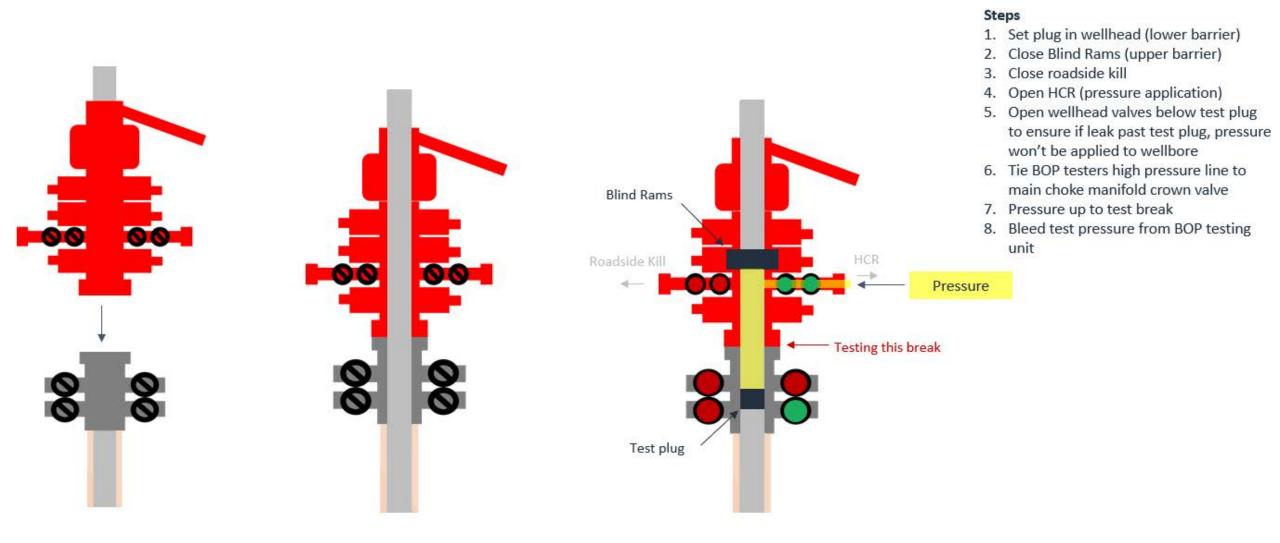
Permit 349595



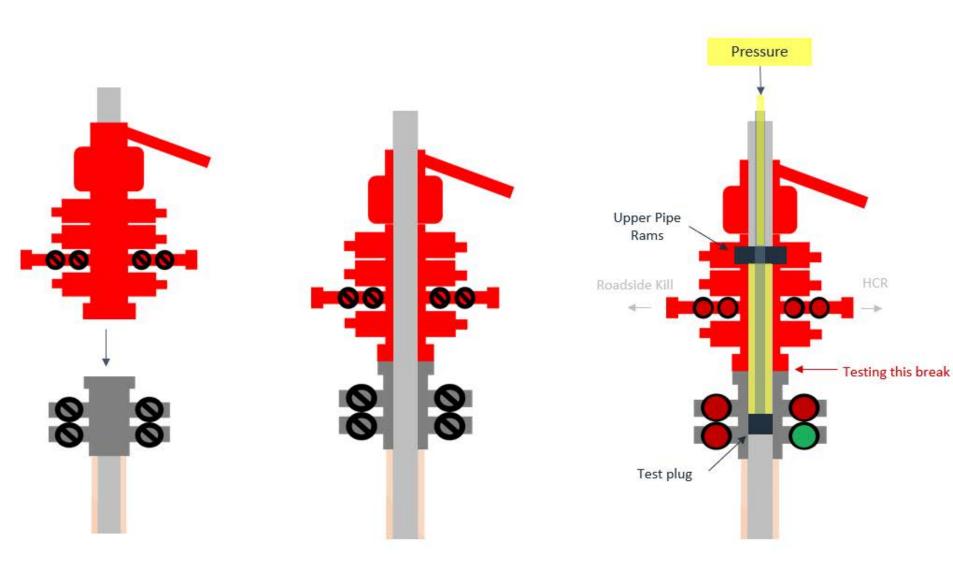
EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of ECFR Title 43 Part 3172.6(b)(9)(iv) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 21 days.
- This test will be conducted for 5M rated hole intervals only.
- Each rig requesting the break-test variance is capable of picking up the BOP without damaging components using winches, following API Standard 53, Well Control Equipment Systems for Drilling Wells (Fifth edition, December 2018, Annex C. Table C.4) which recognizes break testing as an acceptable practice.
- Function tests will be performed on the following BOP elements:
 - Annular **à** during each full BOPE test
 - Upper Pipe Rams **à** On trip ins where FIT required
 - Blind Rams **à** Every trip
 - Lower Pipe Rams à during each full BOPE test
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Break Test Diagram (HCR valve)



Break Test Diagram (Test Joint)



Steps

- 1. Set plug in with test joint wellhead (lower barrier)
- 2. Close Upper Pipe Rams (upper barrier)
- 3. Close roadside kill
- 4. Close HCR
- Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
- 6. Tie BOP testers high pressure line to top of test joint
- 7. Pressure up to test break
- 8. Bleed test pressure from BOP testing unit

Seog resources Offline Intermediate Cementing Procedure

Cement Program

1. No changes to the cement program will take place for offline cementing.

Summarized Operational Procedure for Intermediate Casing

- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment back pressure valves.
 - a. Float equipment is equipped with two back pressure valves rated to a minimum of 5,000 psi.
- 2. Land production casing on mandrel hanger through BOP.
 - a. If casing is unable to be landed with a mandrel hanger, then the **casing will be cemented online**.
- 3. Break circulation and confirm no restrictions.
 - a. Ensure no blockage of float equipment and appropriate annular returns.
 - b. Perform flow check to confirm well is static.
- 4. Set pack-off
 - a. If utilizing a fluted/ported mandrel hanger, ensure well is static on the annulus and inside the casing by filling the pipe with kill weight fluid, remove landing joint, and set annular packoff through BOP. Pressure test to 5,000 psi for 10 min.
 - b. If utilizing a solid mandrel hanger, ensure well is static on the annulus and inside the casing by filling the pipe with kill weight fluid. Pressure test seals to 5,000 psi for 10 min. Remove landing joint through BOP.
- 5. After confirmation of both annular barriers and the two casing barriers, install TA plug and pressure test to 5,000 psi for 10 min. Notify the BLM with intent to proceed with nipple down and offline cementing.
 - a. Minimum 4 hrs notice.
- 6. With the well secured and BLM notified, nipple down BOP and secure on hydraulic carrier or cradle.
 - a. Note, if any of the barriers fail to test, the BOP stack will not be nippled down until after the cement job has concluded and both lead and tail slurry have reached 500 psi.
- 7. Skid/Walk rig off current well.
- 8. Confirm well is static before removing TA Plug.
 - a. Cementing operations will not proceed until well is under control. (If well is not static, notify BLM and proceed to kill)
 - b. Casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing.
 - c. Well control plan can be seen in Section B, Well Control Procedures.
 - d. If need be, rig can be moved back over well and BOP nippled back up for any further remediation.

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Seog resources

Offline Intermediate Cementing Procedure

- e. Diagram for rig positioning relative to offline cementing can be seen in Figure 4.
- 9. Rig up return lines to take returns from wellhead to pits and rig choke.
 - a. Test all connections and lines from wellhead to choke manifold to 5,000 psi high for 10 min.
 - b. If either test fails, perform corrections and retest before proceeding.
 - c. Return line schematics can be seen in Figure 3.
- 10. Remove TA Plug from the casing.
- 11. Install offline cement tool.
 - a. Current offline cement tool schematics can be seen in Figure 1 (Cameron) and Figure 2 (Cactus).
- 12. Rig up cement head and cementing lines.
 - a. Pressure test cement lines against cement head to 80% of casing burst for 10 min.
- 13. Break circulation on well to confirm no restrictions.
 - a. If gas is present on circulation, well will be shut in and returns rerouted through gas buster.
 - b. Max anticipated time before circulating with cement truck is 6 hrs.
- 14. Pump cement job as per plan.
 - a. At plug bump, test casing to 0.22 psi/ft or 1500 psi, whichever is greater.
 - b. If plug does not bump on calculated, shut down and wait 8 hrs or 500 psi compressive strength, whichever is greater before testing casing.
- 15. Confirm well is static and floats are holding after cement job.
 - a. With floats holding and backside static:
 - i. Remove cement head.
 - b. If floats are leaking:
 - i. Shut-in well and WOC (Wait on Cement) until tail slurry reaches 500 psi compressive strength and the casing is static prior to removing cement head.
 - c. If there is flow on the backside:
 - i. Shut in well and WOC until tail slurry reaches 500 psi compressive strength. Ensure that the casing is static prior to removing cement head.
- 16. Remove offline cement tool.
- 17. Install night cap with pressure gauge for monitoring.
- 18. Test night cap to 5,000 psi for 10 min.

Example Well Control Plan Content

A. Well Control Component Table

The table below, which covers the cementing of the <u>5M MASP (Maximum Allowable Surface Pressure) portion of the well</u>, outlines the well control component rating in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nippled up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	15M

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating and cementing through the Offline Cement Adapter.

General Procedure While Circulating

- 1. Sound alarm (alert crew).
- 2. Shut down pumps.
- 3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 4. Confirm shut-in.
- 5. Notify tool pusher/company representative.

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Seog resources

Offline Intermediate Cementing Procedure

- 6. Read and record the following:
 - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

General Procedure While Cementing

- 1. Sound alarm (alert crew).
- 2. Shut down pumps.
- 3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 4. Confirm shut-in.
- 5. Notify tool pusher/company representative.
- 6. Open rig choke and begin pumping again taking returns through choke manifold and mud/gas separator.
- 7. Continue to place cement until plug bumps.
- 8. At plug bump close rig choke and cement head.
- 9. Read and record the following
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - d. Shut-in annulus valves on wellhead

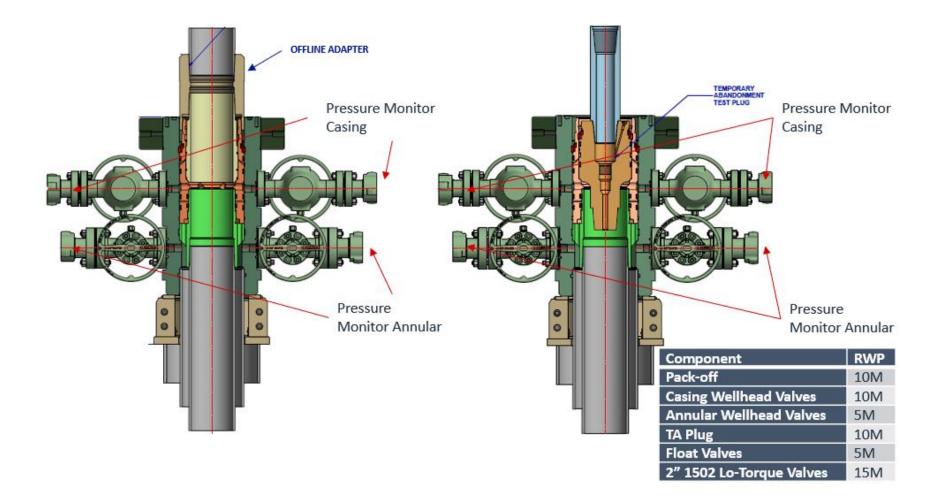
General Procedure After Cementing

- 1. Sound alarm (alert crew).
- 2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
- 3. Confirm shut-in.
- 4. Notify tool pusher/company representative.
- 5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - d. Shut-in annulus valves on wellhead

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Seog resources Offline Intermediate Cementing Procedure

Figure 1: Cameron TA Plug and Offline Adapter Schematic

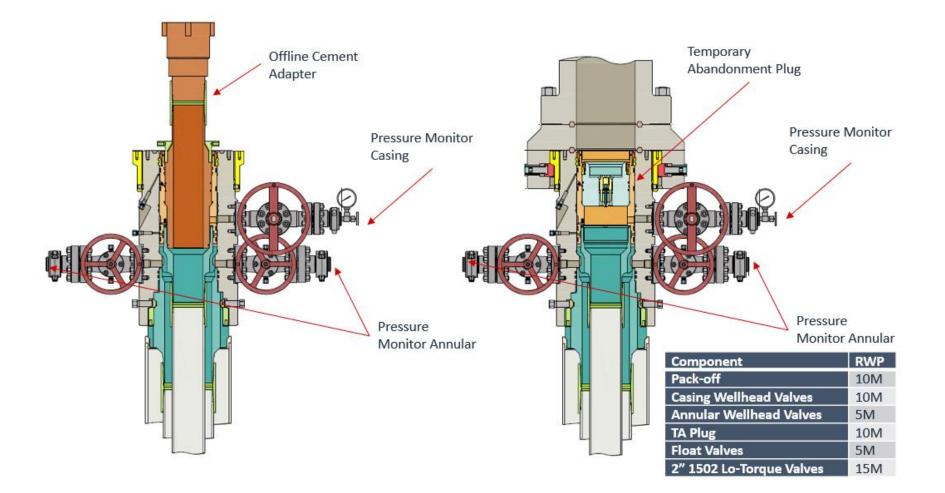


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Offline Intermediate Cementing Procedure





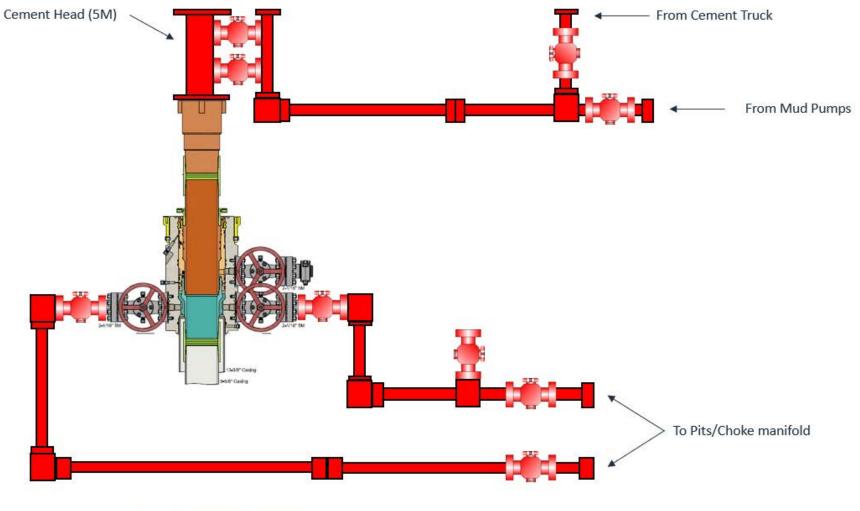
2/24/2022

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2/24/2022







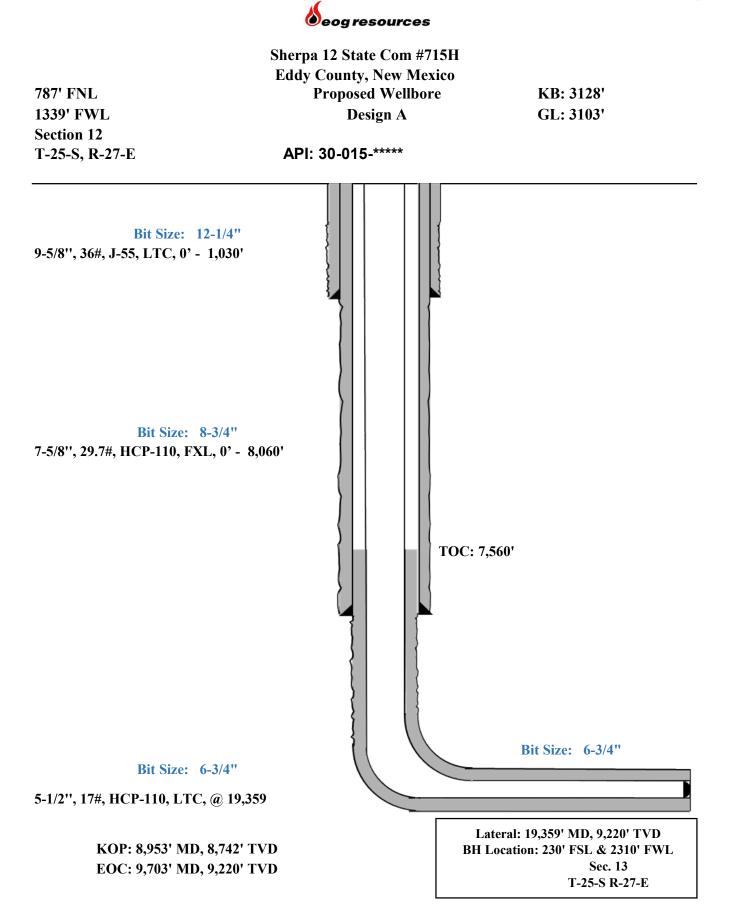
*** All Lines 10M rated working pressure

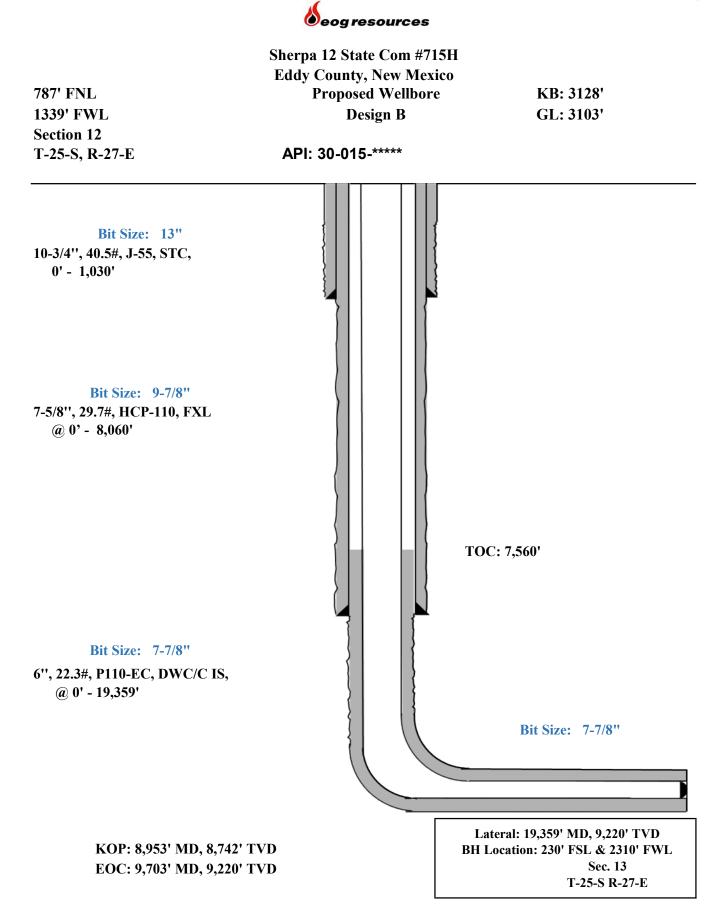
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2/24/2022





Released to Imaging: 9/20/2023 2:34:11 PM



Sherpa 12 State Com #715H

Permit Information:

Well Name: Sherpa 12 State Com #715H

Location:

SHL: 787' FNL & 1339' FWL, Section 12, T-25-S, R-27-E, Eddy Co., N.M.
BHL: 230' FSL & 2310' FWL, Section 13, T-25-S, R-27-E, Eddy Co., N.M.

Design A

Casing Program:

Hole	Interval MD		Interv	al TVD	Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
12-1/4"	0	1,030	0	1,030	9-5/8"	36#	J-55	LTC
8-3/4"	0	8,350	0	8,060	7-5/8"	29.7#	HCP-110	FXL
6-3/4"	0	19,359	0	9,220	5-1/2"	17#	HCP-110	LTC

Cement Program:

		Wt.	Yld	Slurry Description
Depth	No. Sacks	ppg	Ft3/sk	Sturry Description
1,030'	290	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
1,030	80	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
8,060'	460	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 4,144')
8,000	1000	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag- M + 6% Bentonite Gel (TOC @ surface)
19,359'	1000	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 7,560')

Mud Program:

Depth	Туре	Weight (ppg)	Viscosity	Water Loss
0 – 1,030'	Fresh - Gel	8.6-8.8	28-34	N/c
1,030' - 8,060'	Brine	10.0-10.2	28-34	N/c
8,060' - 8,953'	Oil Base	8.7-9.4	58-68	N/c - 6
8,953' – 19,359'	Oil Base	10.0-14.0	58-68	4 - 6
Lateral				



Sherpa 12 State Com #715H

Design B

CASING PROGRAM

Hole	Interval MD		Interva	al TVD	Csg			
Size	From (ft)	To (ft)	From (ft)	To (ft)	OD	Weight	Grade	Conn
13"	0	1,030	0	1,030	10-3/4"	40.5#	J-55	STC
9-7/8"	0	8,350	0	8,060	8-3/4"	38.5#	P110-EC	SLIJ II NA
7-7/8"	0	19,359	0	9,220	6"	22.3#	P110-EC	DWC/C IS

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,030' 10-3/4"	270	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello- Flake (TOC @ Surface)
	70	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 830')
8,060' 8-3/4"	520	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 4,140')
	1000	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
19,359' _{6"}	1530	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 7,560')

EOG requests variance from minimum standards to pump a two stage cement job on the 8-3/4" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (4,344') 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 100 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency.

Mud Program:

Depth	Туре	Weight (ppg)	Viscosity	Water Loss
0 – 1,030'	Fresh - Gel	8.6-8.8	28-34	N/c
1,030' - 2,290'	Brine	10.0-10.2	28-34	N/c
2,290' - 8,060'	Oil Base	8.7-9.4	58-68	N/c - 6
8,060' - 19,359'	Oil Base	10.0-14.0	58-68	4 - 6
Lateral				



Sherpa 12 State Com 715H

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.



Sherpa 12 State Com #715H

Hydrogen Sulfide Plan Summary

A. All personnel shall receive proper H2S training in accordance with Onshore Order III.C.3.a.

B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.

- C. Required Emergency Equipment:
 - Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator

Protective equipment for essential personnel. Breathing apparatus:

- a. Rescue Packs (SCBA) 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escape packs —4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

■ H2S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.



Sherpa 12 State Com #715H

■ Mud program:

The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

■ Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

Communication:

Communication will be via cell phones and land lines where available.

Seog resources

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PUBLIC SAFETY: Lea County Sheriff's Department		<u>911 (</u> (575) 396-3611
Rod Coffman		(575) 570 5011
Fire Department:		
Carlsbad		(575) 885-3125
Artesia		(575) 746-5050
Hospitals:		(1,1), 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
Carlsbad		(575) 887-4121
Artesia		(575) 748-3333
Hobbs		(575) 392-1979
Dept. of Public Safety/Carlsbad		(575) 748-9718
Highway Department		(575) 885-3281
New Mexico Oil Conservation		(575) 476-3440
NMOCD Inspection Group - South		(575) 626-0830
U.S. Dept. of Labor		(575) 887-1174
EOG Resources, Inc.		~ /
EOG / Midland	Office	(432) 686-3600
Company Drilling Consultants:		
David Dominque	Cell	(985) 518-5839
Mike Vann	Cell	(817) 980-5507
Drilling Engineer		
Stephen Davis	Cell	(432) 235-9789
Matt Day	Cell	(432) 296-4456
Drilling Manager		
Branden Keener	Office	(432) 686-3752
	Cell	(210) 294-3729
Drilling Superintendent		
Ryan Reynolds	Cell	(432) 215-5978
Steve Kelly	Cell	(210) 416-7894
H&P Drilling		
H&P Drilling	Office	(432) 563-5757
H&P 651 Drilling Rig	Rig	(903) 509-7131
Tool Pusher:		
Johnathan Craig	Cell	(817) 760-6374
Brad Garrett		
Safety:		
Brian Chandler (HSE Manager)	Office	(432) 686-3695
	Cell	(817) 239-0251

Sherpa 12 State Com #715H Emergency Assistance Telephone List



Midland

Eddy County, NM (NAD 83 NME) Sherpa 12 State Com #715H

OH

Plan: Plan #0.1

Standard Planning Report

01 September, 2023



Planning Report

(usft)			Survey (Wellb Plan #0.1 (OH)	•	Tool Name EOG MWD+I	FR1	Remar	ks		
Plan Survey Tool Depth Fron	n D	epth To	Date 9/1/20							
			(0.0	0.0	().0		173.75	
Vertical Section:			(L	rom (TVD) ısft)	+N/-S (usft)	(u	E/-W Isft)		Direction (°)	
Version:			_	Phase:	PLAN		e On Depth		0.0	
Audit Notes:										
Design	Pla	n #0.1								
		IGR	F2020	9/1/2023		6.54		59.67		47,163.21345315
Magnetics		Model Nan	ne	Sample Date	Declina (°)		ſ	Dip Angle (°)		Field Strength (nT)
Wellbore	OH									
Grid Convergence	e:		0.10°							
Position Uncertai			0.0 usft	Wellhead Elev	vation:	000,000.00	usft	Ground Level:		3,103.0 us
Well Position	+N/ +E/-		0.0 usft 0.0 usft	Northing: Easting:		418,270.00 598,605.00		Latitude: Longitude:		32° 8' 59.163 104° 8' 53.848 \
Well	#71	-								
From: Position Uncertai		Мар	0.0 usft	Easting: Slot Radius:		,280.00 usft 13-3/16 "	Longitud	e:		104° 8' 22.728 V
Site Position:				Northing:		,435.00 usft	Latitude:			32° 9' 0.749
Site	She	rpa 12 Stat	e Com							
Map Zone:	New	Mexico Eas	tern Zone					Using geodetic	scale fact	or
Map System: Geo Datum:		tate Plane American I	1983 Datum 1983		System Da	itum:		Mean Sea Leve	el	
Project	Edo	y County, N	NM (NAD 83 N	ME)						
Design:		' in #0.1								
Vell: Vellbore:	#7 OH	15H			Survey C	alculation Met	hod:	Minimum Cur	vature	
Site:		erpa 12 Sta			North Re			Grid	20.0051	
Company: Project:		dland dv County	NM (NAD 83 I		TVD Refe MD Refer			kb=25' @ 312 kb=25' @ 312		



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #715H
Company:	Midland	TVD Reference:	kb=25' @ 3128.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb=25' @ 3128.0usft
Site:	Sherpa 12 State Com	North Reference:	Grid
Well:	#715H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ОН		
Design:	Plan #0.1		

Plan Sections

Target	TFO (°)	Turn Rate (°/100usft)	Build Rate (°/100usft)	Dogleg Rate (°/100usft)	+E/-W (usft)	+N/-S (usft)	Vertical Depth (usft)	Azimuth (°)	Inclination (°)	Measured Depth (usft)
	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
	0.00	0.00	0.00	0.00	0.0	0.0	816.0	0.00	0.00	816.0
	62.19	0.00	2.00	2.00	273.2	144.1	2,109.8	62.19	26.85	2,158.4
	0.00	0.00	0.00	0.00	694.2	366.1	3,050.2	62.19	26.85	3,212.4
	180.00	0.00	-2.00	2.00	967.3	510.2	4,344.0	0.00	0.00	4,554.8
KOP(Sherpa 12 Stat	0.00	0.00	0.00	0.00	967.3	510.2	8,742.5	0.00	0.00	8,953.3
FTP(Sherpa 12 State	180.01	-81.65	12.01	12.01	967.3	460.2	8,955.2	180.01	26.47	9,173.8
	-0.56	-0.10	12.00	12.00	969.9	32.7	9,219.9	179.50	90.00	9,703.2
LTP(Sherpa 12 State	0.00	0.00	0.00	0.00	1,053.3	-9,522.3	9,220.0	179.50	90.00	19,258.6
PBHL(Sherpa 12 Sta	-89.40	-0.15	0.00	0.15	1,054.3	-9,622.4	9,220.0	179.35	90.00	19,358.7

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
816.0	0.00	0.00	816.0	0.0	0.0	0.0	0.00	0.00	0.00
2,158.4	26.85	62.19	2,109.8	144.1	273.2	-113.5	2.00	2.00	0.00
3,212.4	26.85	62.19	3,050.2	366.1	694.2	-288.3	0.00	0.00	0.00
4,554.8	0.00	0.00	4,344.0	510.2	967.3	-401.8	2.00	-2.00	0.00
8,953.3	0.00	0.00	8,742.5	510.2	967.3	-401.8	0.00	0.00	0.00
9,173.8	26.47	180.01	8,955.2	460.2	967.3	-352.1	12.01	12.01	0.00
9,703.2	90.00	179.50	9,219.9	32.7	969.9	73.1	12.00	12.00	-0.10
19,258.6	90.00	179.50	9,220.0	-9,522.3	1,053.3	9,580.4	0.00	0.00	0.00
19,358.7	90.00	179.35	9,220.0	-9,622.4	1,054.3	9,679.9	0.15	0.00	-0.15

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Dosian	Targets
Design	rurgeta

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(Sherpa 12 State C - plan hits target cente - Point	0.00 er	0.00	8,742.5	510.2	967.3	418,780.00	599,572.00	32° 9' 4.193 N	104° 8' 42.589 W
FTP(Sherpa 12 State Cc - plan hits target cente - Point	0.00 er	0.00	8,955.2	460.2	967.3	418,730.00	599,572.00	32° 9' 3.698 N	104° 8' 42.590 W
LTP(Sherpa 12 State Co - plan hits target cente - Point	0.00 er	0.00	9,220.0	-9,522.3	1,053.3	408,750.00	599,658.00	32° 7' 24.933 N	104° 8' 41.793 W
PBHL(Sherpa 12 State (- plan hits target cente - Point	0.00 er	0.00	9,220.0	-9,622.4	1,054.3	408,650.00	599,659.00	32° 7' 23.944 N	104° 8' 41.783 W

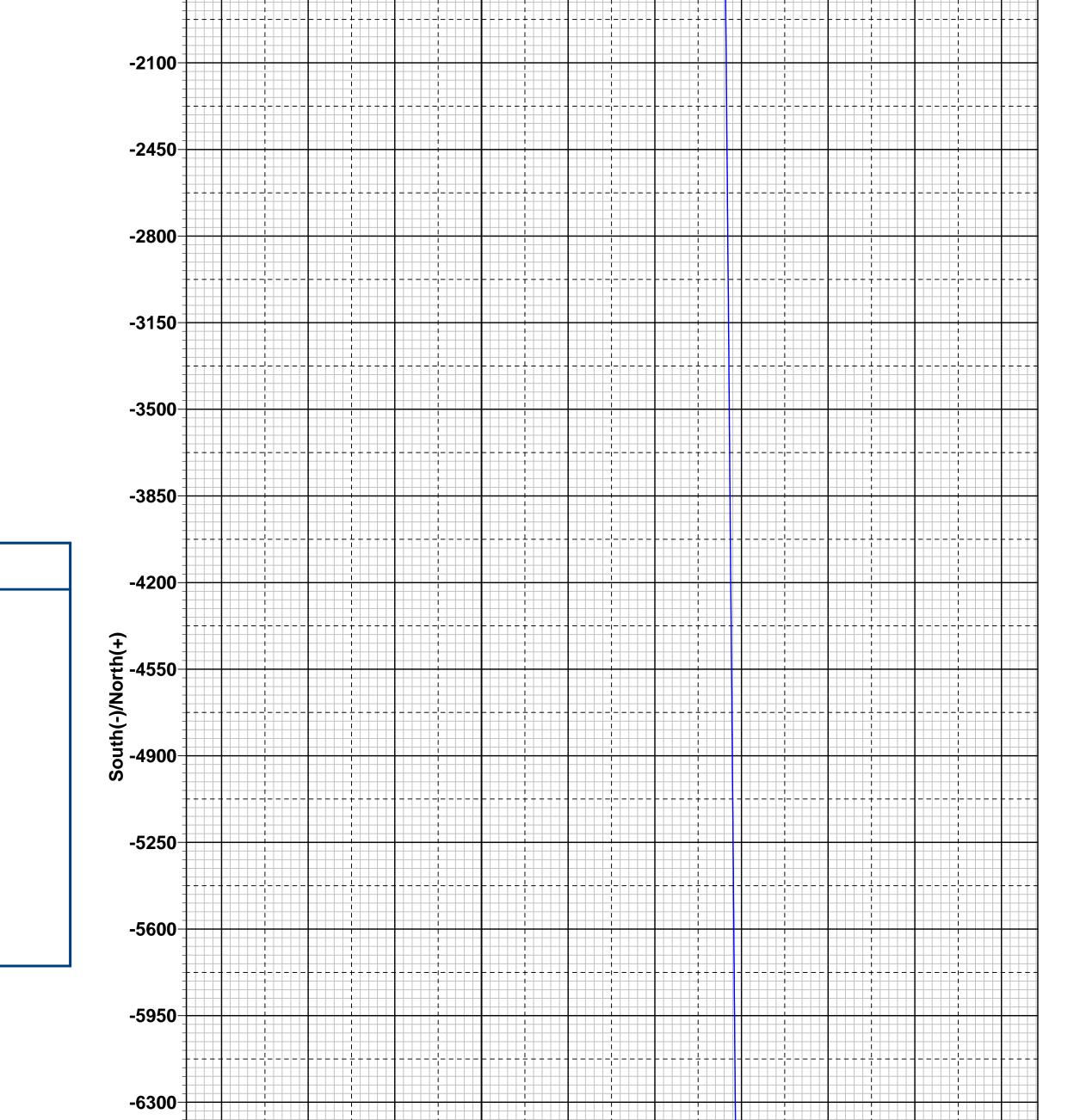
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Eddy County, NM (NAD 83 NME) West(-)/East(+) 350 -1050 700 1050 2100 700-Sherpa 12 State Com #715H 350-Plan #0.1 **Azimuths to Grid North** True North: -0.10° Magnetic North: 6.45° -350-**Magnetic Field** Strength: 47163.2nT Dip Angle: 59.67° Date: 9/1/2023 -700 Model: IGRF2020 PROJECT DETAILS: Eddy County, NM (NAD 83 NME) Geodetic System: US State Plane 1983 -1050 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: New Mexico Eastern Zone -1400-To convert a Magnetic Direction to a Grid Direction, Add 6.45° To convert a Magnetic Direction to a True Direction, Add 6.54° East To convert a True Direction to a Grid Direction, Subtract 0.10° System Datum: Mean Sea Level -1750

		5H	ETAILS: #7	WELL D							
	3103.0 kb=25' @ 3128.0usft										
	Longitude 104° 8' 53.848 W	Latittude 32° 8' 59.163 N		Eastir 598605		Northi 418270					
			ETAILS	CTION E	SE						
	Target	VSect	ETAILS TFace	CTION DIeg	SE +E/-W	+N/-S	TVD	Azi	Inc	MD	Sec
	Target	0.0	TFace 0.00	Dleg 0.00	+E/-W 0.0	0.0	0.0	0.00	0.00	0.0	1
	Target	0.0 0.0	TFace 0.00 0.00	Dleg 0.00 0.00	+E/-W 0.0 0.0	0.0 0.0	0.0 816.0	0.00 0.00	0.00 0.00	0.0 816.0	1 2
	Target	0.0 0.0 -113.5	TFace 0.00 0.00 62.19	Dleg 0.00 0.00 2.00	+E/-W 0.0 0.0 273.2	0.0 0.0 144.1	0.0 816.0 2109.8	0.00 0.00 62.19	0.00 0.00 26.85	0.0 816.0 2158.4	1 2 3
	Target	0.0 0.0 -113.5 -288.3	TFace 0.00 0.00 62.19 0.00	Dleg 0.00 0.00 2.00 0.00	+E/-W 0.0 0.0 273.2 694.2	0.0 0.0 144.1 366.1	0.0 816.0 2109.8 3050.2	0.00 0.00 62.19 62.19	0.00 0.00 26.85 26.85	0.0 816.0 2158.4 3212.4	1 2 3 4
Q1010 (0 - 100 474 51 1)		0.0 0.0 -113.5 -288.3 -401.8	TFace 0.00 0.00 62.19 0.00 180.00	Dleg 0.00 0.00 2.00 0.00 2.00	+E/-W 0.0 0.0 273.2 694.2 967.3	0.0 0.0 144.1 366.1 510.2	0.0 816.0 2109.8 3050.2 4344.0	0.00 0.00 62.19 62.19 0.00	0.00 0.00 26.85 26.85 0.00	0.0 816.0 2158.4 3212.4 4554.8	1 2 3 4 5
State Com #715H)	KOP(Sherpa 12	0.0 0.0 -113.5 -288.3 -401.8 -401.8	TFace 0.00 0.00 62.19 0.00 180.00 0.00	Dleg 0.00 0.00 2.00 0.00 2.00 0.00	+E/-W 0.0 0.0 273.2 694.2 967.3 967.3	0.0 0.0 144.1 366.1 510.2 510.2	0.0 816.0 2109.8 3050.2 4344.0 8742.5	0.00 0.00 62.19 62.19 0.00 0.00	0.00 0.00 26.85 26.85 0.00 0.00	0.0 816.0 2158.4 3212.4 4554.8 8953.3	1 2 3 4
State Com #715H) State Com #715H)	KOP(Sherpa 12	0.0 0.0 -113.5 -288.3 -401.8 -401.8 -352.1	TFace 0.00 0.00 62.19 0.00 180.00 180.01	Dleg 0.00 0.00 2.00 0.00 2.00 0.00 12.01	+E/-W 0.0 0.0 273.2 694.2 967.3 967.3 967.3	0.0 0.0 144.1 366.1 510.2 510.2 460.2	0.0 816.0 2109.8 3050.2 4344.0 8742.5 8955.2	0.00 0.00 62.19 62.19 0.00 0.00 180.01	0.00 0.00 26.85 26.85 0.00 0.00 26.47	0.0 816.0 2158.4 3212.4 4554.8 8953.3 9173.8	1 2 3 4 5 6 7
-	KOP(Sherpa 12 FTP(Sherpa 12	0.0 0.0 -113.5 -288.3 -401.8 -401.8	TFace 0.00 0.00 62.19 0.00 180.00 0.00	Dleg 0.00 0.00 2.00 0.00 2.00 0.00	+E/-W 0.0 0.0 273.2 694.2 967.3 967.3	0.0 0.0 144.1 366.1 510.2 510.2	0.0 816.0 2109.8 3050.2 4344.0 8742.5	0.00 0.00 62.19 62.19 0.00 0.00	0.00 0.00 26.85 26.85 0.00 0.00	0.0 816.0 2158.4 3212.4 4554.8 8953.3	1 2 3 4 5



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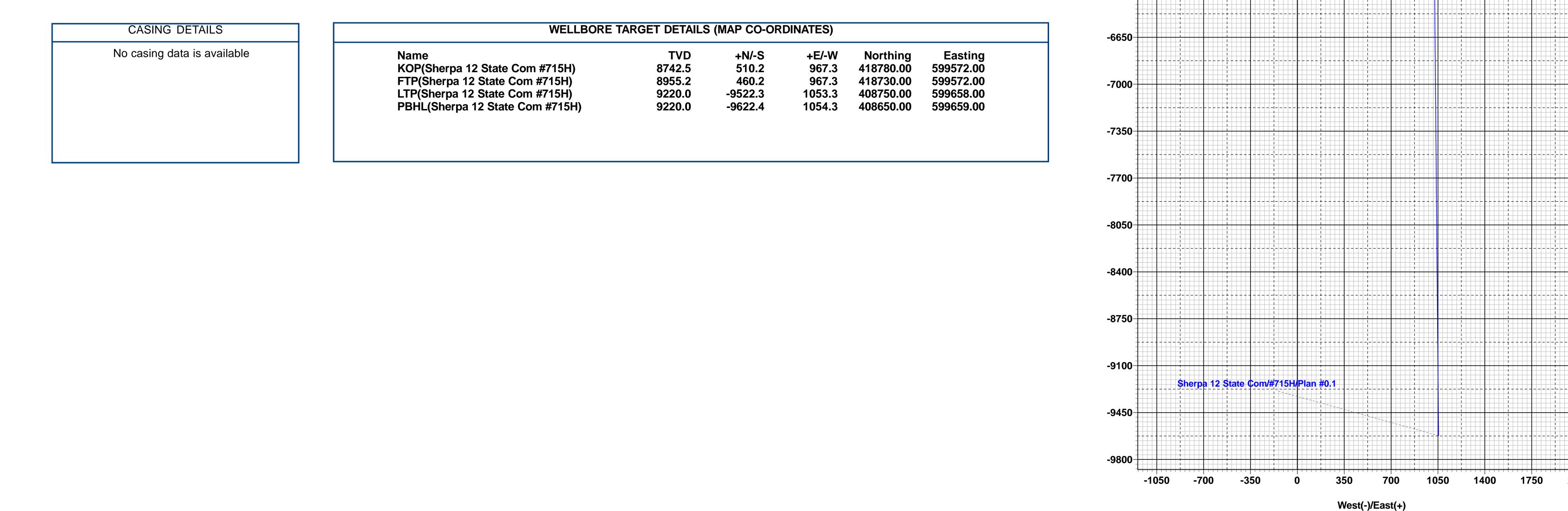
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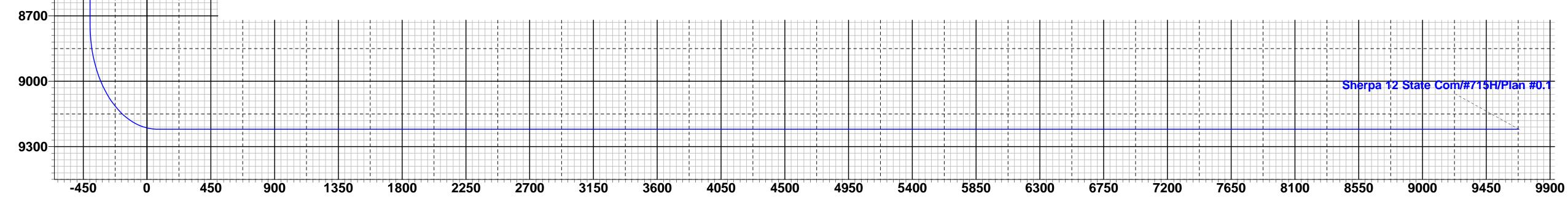
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Vertical Section at 173.75°

Eddy County, NM (NAD 83 NME) Sherpa 12 State Com #715H ОН Plan #0.1 10:32, September 01 2023

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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: ____EOG Resources, Inc._____OGRID: ____7377_____ Date: 9/5/2023

II. **Type:** \square Original \square Amendment due to \square 19.15.27.9.D(6)(a) NMAC \square 19.15.27.9.D(6)(b) NMAC \square 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
SHERPA 12 STATE COM 715H		C-12-25S-27E	787' FNL & 1339' FWL	+/- 1000	+/- 3500	+/- 3000

IV. Central Delivery Point Name: COBALT 32 STATE CTB [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
SHERPA 12 STATE COM 715H		10/16/23	10/31/23	12/08/23	1/08/24	2/08/24

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. \Box 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 \Box will \Box 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 \Box does \Box 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: \Box 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.

<u>Section 3 - Certifications</u> <u>Effective May 25, 2021</u>

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

 \boxtimes 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

 \Box 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. \Box 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. \Box 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: Star L Harrell Printed Name: Star L Harrell Title: Sr Regulatory Specialist E-mail Address: Star_Harrell@eogresources.com Date: 9/5/2023 Phone: (432) 848-9161 **OIL CONSERVATION DIVISION** (Only applicable when submitted as a standalone form) Approved By: Title: Approval Date: Conditions of Approval:

Natural Gas Management Plan Items VI-VIII

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

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Adequate separation relates to retention time for Liquid Liquid separation and velocity for Gas-Liquid separation.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

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

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All plunger lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.
- Leaking thief hatches found during AVOs will be cleaned and properly re-sealed.

Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 Mcfd.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- No meter bypasses with be installed.

• When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

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

- During downhole well maintenance, EOG will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
 All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.