eceined by Op. P. Appoplate Little:32	PM State of New Me	exico	Form C-1	103 of 11
Office <u>District I</u> – (575) 393-6161	Energy, Minerals and Natu	ıral Resources	Revised July 18, 2 WELL API NO.	013
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> – (575) 748-1283	OIL CONCEDUATION	DIVICION	30-025-22004	
811 S. First St., Artesia, NM 88210 District III – (505) 334-6178	Artesia, NM 88210 OIL CONSERVATION DIVISION		5. Indicate Type of Lease	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87		STATE X FEE 6. State Oil & Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM	(800) 170 8 100			
87505 SLINDRY NOTI	CES AND REPORTS ON WELLS	1	VB-2808-1 7. Lease Name or Unit Agreement Name	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH			State WE "K"	
PROPOSALS.) 1. Type of Well: Oil Well Gas Well X Other			8. Well Number #1	
2. Name of Operator	ND GAS L.L.C.		9. OGRID Number 370507	
3. Address of Operator			10. Pool name or Wildcat	
P.O. Box 1180 Eunice, NM 882	231		OSUDO; Morrow, South (GAS)	
4. Well Location				
Unit Letter F :	1,980 feet from the North		1,980' feet from the West lin	1e
Section 15	Township 21S Ra 11. Elevation (Show whether DR.	ange 35E	NMPM County Lea	
	11. Lievation (Show whether DR)	, KKD, KI, OK, Ell.	.,	
12. Check A	Appropriate Box to Indicate N	lature of Notice,	, Report or Other Data	
NOTICE OF IN	ITENTION TO:	SUE	SSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON 🛛	REMEDIAL WOR		
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DR	RILLING OPNS. P AND A	
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEN	NT JOB	
DOWNHOLE COMMINGLE			Notify OCD 24 hrs. prior to any work	
CLOSED-LOOP SYSTEM OTHER:	П	OTHER:	done	
13. Describe proposed or comp			nd give pertinent dates, including estimated	date
		C. For Multiple Co	ompletions: Attach wellbore diagram of	
proposed completion or rec	ompletion.			
See attached Plugging Plan	n, Current Wellbore Schematic, and	Proposed Wellbor	re Schematic.	
	SEE CH	ANGES TO PI	ROCEDURE	
	322 311	7.11020 1011	NO DEDONE	
Spud Date:	Rig Release Da	ate:		
Spud Bute.	Titg Release Be			
****SEE ATTACHED COA's**	**	MUST BE PLUC	GGED BY 12/30/2023	
I hereby certify that the information	above is true and complete to the b	est of my knowledg	ge and belief.	
$\widehat{}$				
SIGNATURE / 1	TITI F Precider	nt & Chief Engineer	DATE_6/16/2023	
SIGNITURE 7.	- ITTEL HESIGE	a cinci Englisei	DATE_0/10/2023	
Type or print name <u>J. Daniel Arthur P.</u>	E., SPEC,CPG, FGS E-mail address	S: <u>Darthur@all-llc.com</u>	PHONE: <u>918-382-7581</u>	
For State Use Only				
APPROVED BY:	TITLE	Stall	/ Wanagas DATE 6/27/23	
Conditions of Approval (if any):	11100		Manager DATE 6/27/23	
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PROPOSED ABANDONMENT PROCEDURES FOR STATE WE "K" #1 WELL

The following plugging and abandonment procedures for the RAZ Oil and Gas State WE "K" #1 well (API No. 30-025-22004) located in Lea County, New Mexico and has been designed to ensure regulatory compliance and to provide for safe and environmentally effective operations.

Initial Procedures:

- Install at least a 30-mil liner with underlayment of felt with foam berms across the well pad for rig and equipment access as secondary containment.
- Bring two 500-barrel frac tanks for fluid containment one 500-barrel for freshwater for cementing operations and one 500-barrel frac tank for waste fluid containment from plugging and abandonment operations.
- Have telehandler, 2-7/8" workstring, fuel storage container, pipe racks, half-round and open top waste tanks for closed loop fluid systems operations, mud pump, required chemicals for mud system, bags of sugar for address any excess cement at the surface, two 4-inch pumps or vacuum trucks to handle fluid returns to the surface during cement operations, and stage equipment on location.
- Evaluate current wellhead equipment condition and pressure ratings. Check for any annular or tubing pressures that may require additional considerations in the plugging procedures.
- If well has pressure on the tubing and casing-tubing annulus, prepare freshwater mud to at least 10 pounds per gallon (ppg) to use a kill well. Kill well prior to disassembly of the wellhead.
- With the well dead, rig up over wellhead with service rig and install 3,000 psig (or greater if necessary) blowout prevention equipment (BOPE) including pipe and blind rams on the 13-3/8" surface casing string. Install diverter on wellhead to half-round tank to handle fluid flowback. After complete installation, perform BOPE testing with BOPE testing company to 1,500 psig and record results. If BOPE testing passes, proceed with initial plugging operations.

Plugging Procedures:

- Perform a radial bond log on the 7" production casing string to determine top of cement and free point.

 spot 25 sx @ 50' below to 50' above TOC minimum see CBL WOC & tag
- After determining the free point on the 7" casing, then run back into the well with the wireline unit and install a cast iron bridge plug (CIBP) at approximately 100 feet above the top of the free point in the 7" casing. Return wireline to surface and install casing cutting tool on wireline. Run back in hole with wireline and cut off the 7" production casing at a depth directly above the CIBP. After 7" casing is shot and confirmed to be free, pull

- tools out of the well and move wireline unit out. Proceed to pull 7" production casing from well once wireline unit is clear.

 spot 25 sx @ 50' below to 50' above Top of cut Casing minimum and Tag
- Once the 7" production casing has been removed, pick up 2-7/8" workstring and run into the well to a depth of the new CIBP and establish circulation. Mix and pump sufficient volume of 16.4 ppg Class H cement to place the top of cement 200 feet inside and above the 9-5/8" intermediate casing shoe (approximately 1,900 sacks with 50% excess cement volume included). Spot and stage cement from top of CIBP back to approximately 5,150 feet (200 feet inside and above the 9-5/8" intermediate casing shoe) to isolate the Bone Springs Formation and the Delaware Mountain Group. Wait on cement. Tag top of plug with 2-7/8" workstring.

 Perf @ 5400' Csg shoe Cement inside and out to 50' above and below shoe and Tag
- Withdraw 2-7/8" workstring while spotting spacer of 9 ppg gel back to approximately 1,850 feet and then spot a 100-foot cement plug using 50 sacks of 14.8 ppg Class C cement (50% excess cement volume included) from 1,850 feet to 1,750 feet across the top of the salt located at a depth of 1,815 feet. Wait on cement. Tag top of plug with 2-7/8" workstring.

 | Perf @ 3700' cmt inside and out TOC Tag | Perf @ 3475' cmt inside and out TOC Tag |
- Withdraw 2-7/8" workstring while spotting spacer of 9 ppg gel back to approximately 450 feet and then spot a 200-foot cement plug using 100 sacks of 14.8 ppg Class C cement (50% excess cement volume included) from 450 feet to 250 feet across the 13-3/8" surface casing shoe. Wait on cement. Tag top of plug with 2-7/8" workstring. Cement to surface inside & out
- Gentinue to withdraw 2.7/8" workstring while spetting spacer of 9 ppg gel back to approximately 100 feet and then spot a 100 foot cement plug using 50 sacks of 14.8 ppg Class C cement (50% excess cement volume included) back to the surface.
- Remove BOPE and disassemble wellhead and flow lines. Demobilize contractors and remove all remaining surface equipment. Verify cmt to surface on all strings
- Allow borehole to remain open and cement to cure then check after 12 hours to see if cement has fallen back. If cement has fallen back, top off the cement from the surface with redi-mix cement.
- Cut off wellhead approximately 36" below grade. Tack weld plug and abandonment and well identification information including lease name, well number, and location including unit letter, section, township, and range on a marker 4 inches in diameter and at least 4 feet above ground level, set in concrete.

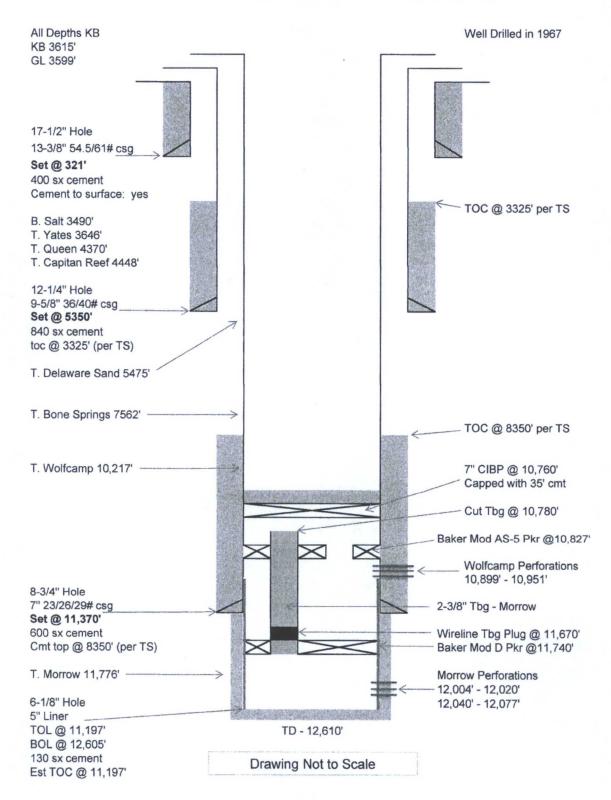
Site Restoration and Reclamation Procedures:

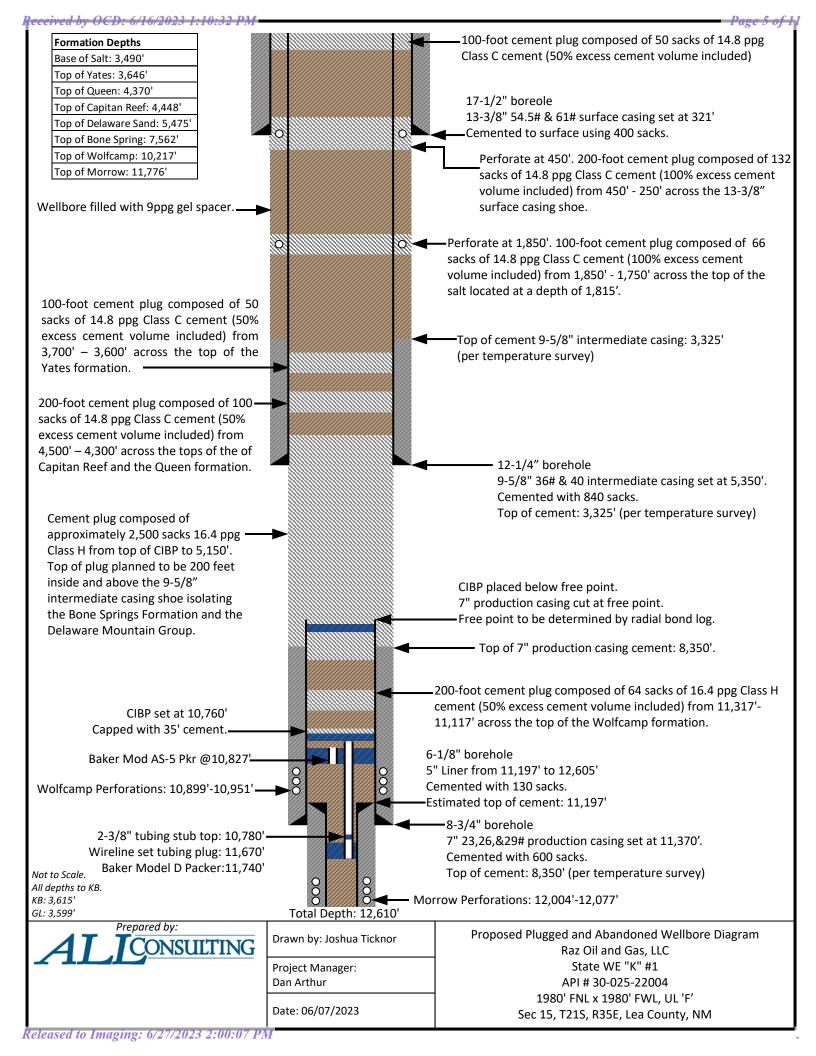
• Reclaim site per NMOCD and State Land Office requirements. After removal of all equipment, the site will be graded to the original contour and then the site will be seeded with the appropriate native grasses to establish vegetation.

CURRENT WELLBORE

Raz Oil and Gas, LLC State WE "K" #1 API # 30-025-22004

1980' FNL x 1980' FWL, UL 'F', Sec 15, T21S, R35E, Lea County, NM





CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.

- 1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
- 2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
- 3. Trucking companies being used to haul oilfield waste fluids to a disposal commercial or private shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
- 4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
- 5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
- 6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
- 7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 8. Produced water will not be used during any part of the plugging operation.
- 9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
- 11. Class 'C' cement will be used above 7500 feet.
- 12. Class 'H' cement will be used below 7500 feet.
- 13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
- 14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

- 16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
- 17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
- 18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
- 19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
- 20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - 1) Glorieta
 - J) Yates.
 - K) Cherry Canyon Eddy County
 - L) Potash---(In the R-111-P Area (Page 3 & 4), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- 21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

R-111-P Area

T 18S - R 30E

Sec 10 Unit P. Sec 11 Unit M,N. Sec 13 Unit L,M,N. Sec 14 Unit C -P. Sec 15 Unit A G,H,I,J,K,N,O,P. Sec 22 Unit All except for M. Sec 23, Sec 24 Unit C,D,E,L, Sec 26 Unit A-G, Sec 27 Unit A,B,C

T 19S - R 29E

Sec 11 Unit P. Sec 12 Unit H-P. Sec 13. Sec 14 Unit A,B,F-P. Sec 15 Unit P. Sec 22 Unit A,B,C,F,G,H,I,J K,N,O,P. Sec 23. Sec 24. Sec 25 Unit D. Sec 26 Unit A-F. Sec 27 Unit A,B,C,F,G,H.

T 19S - R 30E

Sec 2 Unit K,L,M,N. Sec 3 Unit I,L,M,N,O,P. Sec 4 Unit C,D,E,F,G,I-P. Sec 5 Unit A,B,C,E-P. Sec 6 Unit I,O,P. Sec 7 – Sec 10. Sec 11 Unit D, G—P. Sec 12 Unit A,B,E-P. Sec 13 Unit A-O. Sec 14-Sec 18. Sec 19 Unit A-L, P. Sec 20 – Sec 23. Sec 24 Unit C,D,E,F,L,M,N. Sec 25 Unit D. Sec 26 Unit A-G, I-P. Sec 27, Sec 28, Sec 29 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 32 Unit A,B,G,H,I,J,N,O,P. Sec 33. Sec 34. Sec 35. Sec 36 Unit D,E,F,I-P.

T 19S - R 31E

Sec 7 Unit C,D,E,F,L. Sec 18 Unit C,D,E,F,G,K,L. Sec 31 Unit M. Sec 34 Unit P. Sec 35 Unit M,N,O. Sec 36 Unit O,P.

T 20S - R 29E

Sec 1 Unit H,I,P. Sec 13 Unit E,L,M,N. Sec 14 Unit B-P. Sec 15 Unit A,H,I,J,N,O,P. Sec 22 Unit A,B,C,F,G,H,I,J,O,P. Sec 23. Sec 24 Unit C,D,E,F,G,J-P. Sec 25 Unit A-O. Sec 26. Sec 27 Unit A,B,G,H,I,J,O,P. Sec 34 Unit A,B,G,H. Sec 35 Unit A-H. Sec 36 Unit B-G.

T 20S - R 30E

Sec 1 – Sec 4. Sec 5 Unit A,B,C,E-P. Sec 6 Unit E,G-P. Sec 7 Unit A-H,I,J,O,P. Sec 8 – 17. Sec 18 Unit A,B,G,H,I,J,O,P. Sec 19 Unit A,B,G,H,I,J,O,P. Sec 30 Unit A-L,N,O,P. Sec 31 Unit A,B,G,H,I,P. Sec 32 – Sec 36.

T 20S - R 31E

Sec 1 Unit A,B,C,E-P. Sec 2. Sec 3 Unit A,B,G,H,I,J,O,P. Sec 6 Unit D,E,F,J-P. Sec 7. Sec 8 Unit E-P. Sec 9 Unit E,F,J-P. Sec 10 Unit A,B,G-P. Sec 11 – Sec 36.

T 21S - R 29E

Sec 1 – Sec 3. Sec 4 Unit L1 – L16,I,J,K,O,P. Sec 5 Unit L1. Sec 10 Unit A,B,H,P. Sec 11 – Sec 14. Sec 15 Unit A,H,I. Sec 23 Unit A,B. Sec 24 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 25 Unit A,O,P. Sec 35 Unit G,H,I,J,K,N,O,P. Sec 36 A,B,C,F – P.

T 21S - R 30E

Sec 1 – Sec 36

T 21S - R 31E

Sec 1 – Sec 36

T 22S - R 28E

Sec 36 Unit A,H,I,P.

T 22S - R 29E

Sec 1. Sec2. Sec 3 Unit I,J,N,O,P. Sec 9 Unit G – P. Sec 10 – Sec 16. Sec 19 Unit H,I,J. Sec 20 – Sec 28. Sec 29 Unit A,B,C,D,G,H,I,J,O,P. Sec 30 Unit A. Section 31 Unit C – P. Sec 32 – Sec 36

T 22S - R 30E

Sec 1 – Sec 36

T 22S - R 31E

Sec 1 – Sec 11. Sec 12 Unit B,C,D,E,F,L. Sec 13 Unit E,F,K,L,M,N. Sec 14 – Sec 23. Sec 24 Unit C,D,E,F,K,L,M,N. Sec 25 Unit A,B,C,D. Sec 26 Unit A,BC,D,G,H. Sec 27 – Sec 34.

T 23S - R 28E

Sec 1 Unit A

T 23S - R 29E

Sec 1 – Sec 5. Sec 6 Unit A – I, N,O,P. Sec 7 Unit A,B,C,G,H,I,P. Sec 8 Unit A – L, N,O,P. Sec 9 – Sec 16. Sec 17 Unit A,B,G,H,I,P. Sec 21 – Sec 23. Sec 24 Unit A – N. Sec 25 Unit D,E,L. Sec 26. Sec 27. Sec 28 Unit A – J, N,O,P. Sec 33 Unit A,B,C. Sec 34 Unit A,B,C,D,F,G,H. Sec 35. Sec 36 Unit B,C,D,E,F,G,K,L.

T 23S - R 30E

Sec 1 – Sec 18. Sec 19 Unit A – I,N,O,P. Sec 20, Sec 21. Sec 22 Unit A – N, P. Sec 23, Sec 24, Sec 25. Sec 26 Unit A,B,F-P. Sec 27 Unit C,D,E,I,N,O,P. Sec 28 Unit A – H, K,L,M,N. Sec 29 Unit A – J, O,P. Sec 30 Unit A,B. Sec 32 A,B. Sec 33 Unit C,D,H,I,O,P. Sec 34, Sec 35, Sec 36.

T 23S - R 31E

Sec 2 Unit D,E,J,O. Sec 3 – Sec 7. Sec 8 Unit A – G, K – N. Sec 9 Unit A,B,C,D. Sec 10 Unit D,P. Sec 11 Unit G,H,I,J,M,N,O,P. Sec 12 Unit E,L,K,M,N. Sec 13 Unit C,D,E,F,G,J,K,L,M,N,O. Sec 14. Sec 15 Unit A,B,E – P. Sec 16 Unit I, K – P. Sec 17 Unit B,C,D,E, I – P. Sec 18 – Sec 23. Sec 24 Unit B – G, K,L,M,N. Sec 25 Unit B – G, J,K,L. Sec 26 – Sec 34. Sec 35 Unit C,D,E.

T 24S - R 29E

Sec 2 Unit A, B, C, D. Sec 3 Unit A

T 24S - R 30E

Sec 1 Unit A – H, J – N. Sec 2, Sec 3. Sec 4 Unit A,B,F – K, M,N,O,P. Sec 9 Unit A – L. Sec 10 Unit A – L, O,P. Sec 11. Sec 12 Unit D,E,L. Sec 14 Unit B – G. Sec 15 Unit A,B,G,H.

T 24S - R 31E

Sec 3 Unit B – G, J – O. Sec 4. Sec 5 Unit A – L, P. Sec 6 Unit A – L. Sec 9 Unit A – J, O,P. Sec 10 Unit B – G, K – N. Sec 35 Unit E – P. Sec 36 Unit E,K,L,M,N.

T 25S - R 31E

Sec 1 Unit C,D,E,F. Sec 2 Unit A – H.

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**

COMMENTS

Action 229318

COMMENTS

Operator:	OGRID:
RAZ OIL AND GAS L.L.C.	370507
P.O. Box 1180	Action Number:
Eunice, NM 88231	229318
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Cre	ated By		Comment Date
pl	martinez	DATA ENTRY PM.	6/27/2023

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

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CONDITIONS

Created By	Condition	Condition Date
gcordero	None	6/27/2023