

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS OGD
OCT 03 2016
RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Rockcliff Operating New Mexico LLC 1301 McKinney, Suite 1300 Houston TX 77010 (713) 351-0500		UGRID Number 371115
Property Code 316839		APT Number 30-041-20969
Property Name Annapurna 20		Well No. 1H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	17	8S	34E		170	S	355	E	Roosevelt

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	20	8S	34E		330	S	440	E	Roosevelt

9. Pool Information

Pool Name MILNE SAND Wildcat, San Andres, WEST	Pool Code 46950
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Additional Well Information

11. Work Type N	12. Well Type O	13. Cable/Rotary R	14. Lease Type P	15. Ground Level Elevation 4294'
16. Multiple N	17. Proposed Depth TVD: 4587' & MD: 9503'	18. Formation San Andres	19. Contractor to be determined	20. Spud Date upon approval
Depth to Ground water 157' in CL 00314		Distance from nearest fresh water well 575' NW of nameless water well		Distance to nearest surface water ~1575' S of dirt stock tank

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	12.25"	9.625"	36	2260'	797	GL
Top Produc	8.75"	7"	32	4155'	320	GL
Bot Produc	8.75"	5.5"	23	9503'	1021	GL

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
annular & rams	2000 psi	2000 psi	to be determined

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Brian Wood</i>		OIL CONSERVATION DIVISION Approved By: <i>[Signature]</i> Title: Petroleum Engineer	
Printed name: Brian Wood		Approved Date: 10/04/16	
Title: Consultant		Expiration Date: 10/04/18	
E-mail Address: brian@permitswest.com			
Date: 10-1-16	Phone: 505 466-8120	Conditions of Approval Attached	