

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
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

HOBBS OCD
JAN 14 2014

☐ AMENDED REPORT

RECEIVED

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

1. Operator Name and Address MANZANO, LLC PO X 2107 ROSWELL, NM 88202		2. OGRID Number 231429
3. API Number 30-025-22762		4. Well No. 1
5. Property Code 80330	6. Property Name McCrory	

7. Surface Location									
UL - Lot E	Section 1	Township 14S	Range 37E	Lot Idn	Feet from 2361	N/S Line NORTH	Feet From 330	E/W Line WEST	County LEA

8. Proposed Bottom Hole Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information	
Pool Name KING, WOLFCAMP	Pool Code 36100

Additional Well Information				
11. Work Type E	12. Well Type O	13. Cable/Rotary R	14. Lease Type P	15. Ground Level Elevation 3837
16. Multiple N	17. Proposed Depth 9600	18. Formation WOLFCAMP	19. Contractor UDI	20. Spud Date 01/20/14
Depth to Ground water >100'		Distance from nearest fresh water well < 1/2 MILE		Distance to nearest surface water 1+ MILES

☒ 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	17 1/2	13 3/8	48.0	368	400	SURFACE
INTERM	11	8 5/8	24.0 & 32.0	4665	500	SURFACE
PROD	7 7/8	5 1/2	17	9600	500	4000

Casing/Cement Program: Additional Comments
SEE ATTACHED EXISTING WELLBORE DIAGRAM & PROPOSED RE-ENTRY PROCEDURE

22. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Annular/Pipe/Rams	5000	3000	Shaffer

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:		OIL CONSERVATION DIVISION Approved By: Title: Petroleum Engineer	
Printed name: MIKE HANAGAN		Approved Date: 01/22/14 Expiration Date: 01/22/16	
Title: MANAGING MEMBER			
E-mail Address: mike@manzanoenergy.com			
Date: 01/13/14	Phone: 575-623-1996	Conditions of Approval Attached	

JAN 22 2014

ATTACHMENT TO FORM 1-101 DATED 01/13/14

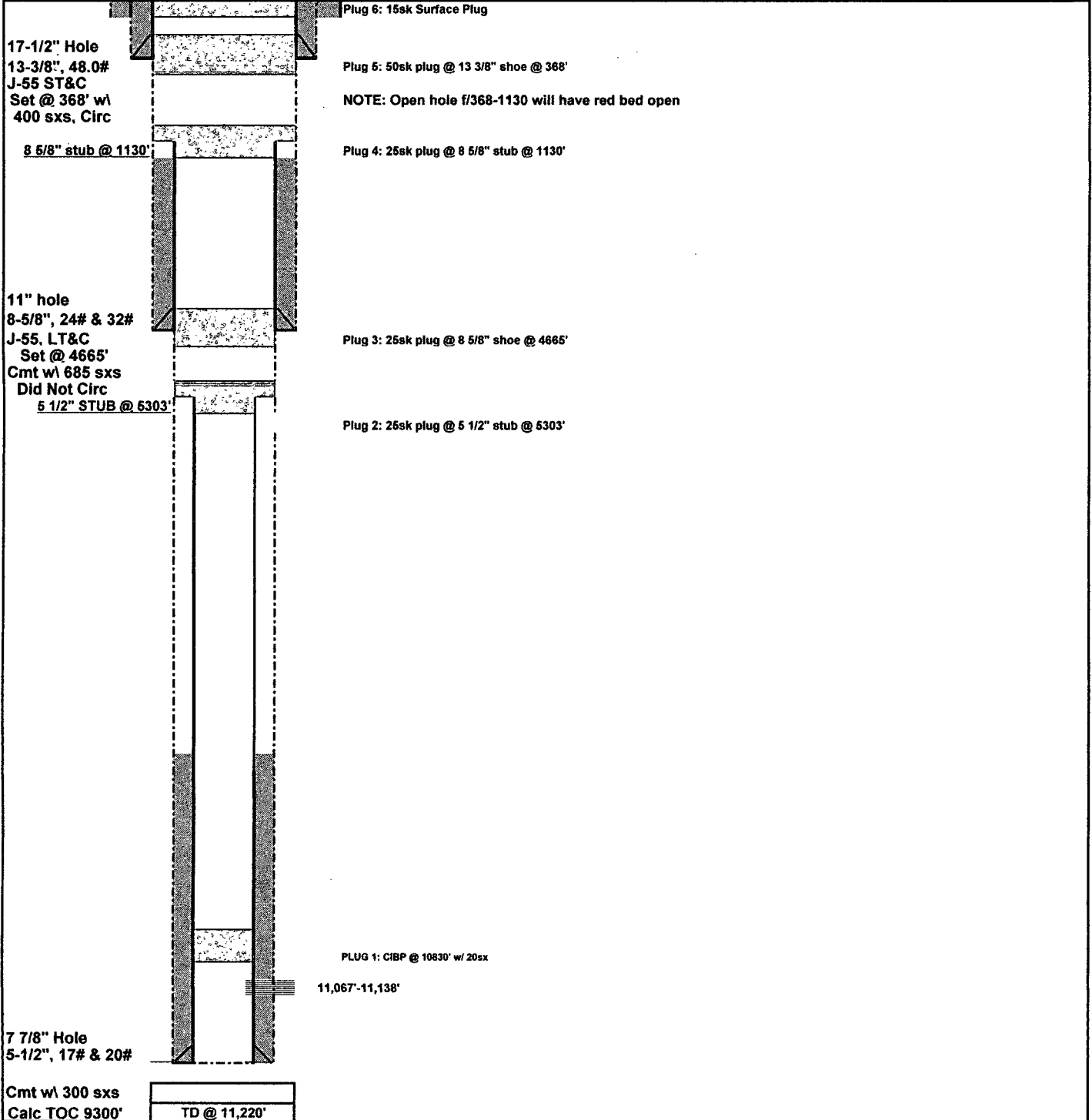
LEASE: **McCrary**
 FIELD: **King, South**
 LOCATION: **2361 FNL 330 FWL**
 SPUD DATE: **9/21/1968**
 CONTRACTOR: **Cactus Drilling**

WELL NO.: **1**
 COUNTY: **Lea**
 LEGAL: **Sec 1 T14S R37E**
 DRAWN BY: **MGH**
 DATE: **11/23/2013**

30 - 025-22762
New Mexico
3838' GL
P & A 9/14/70

Current McCrary #1 Wellbore

Hole Size
 Csg Design



ATTACHMENT TO FORM C-101 DATED 01/13/14

LEASE: **McCrary**
 FIELD: **King, South**
 LOCATION: **2361 FNL 330 FWL**

WELL NO.: **1**
 COUNTY: **Lea**
 LEGAL: **Sec 1 T14S R37E**

30 - 025-22762
New Mexico
3838' GL

Post Re-Entry Wellbore

Hole Size
 Csg Design

Re-Entry Procedure

17-1/2" Hole
 13-3/8", 48.0#
 J-55 ST&C
 Set @ 368' w/
 400 sxs, Circ

8 5/8" stub @ 1130'

11" hole
 8-5/8", 24# & 32#
 J-55, LT&C
 Set @ 4665'
 Cmt w/ 685 sxs
 Did Not Circ
 5 1/2" STUB @ 5303'

1. Drill out surface plug
2. Drillout plug 13 3/8" shoe plug @ 368'
3. Tie into 8 5/8" stub @ 1130' & circulate cement to surface
4. Drill out 8 5/8" shoe plug @ 4665'
5. Tie into 5 1/2" stub @ 5303' & cleanout to 9600'
6. Run Cement Bond Log to determine top of cement
7. Perf squeeze holes & bring cement up into 8 5/8" casing

8. Perforate Wolfcamp from 9330'-9440' & acidize
9. Install pumping unit & put well on production

Cement Retainer

Perf squeeze holes & cement

CIBP Set @ 10830' & capped w/20sx of cement

11,067'-11,138'

7 7/8" Hole
 5-1/2", 17# & 20#

Cmt w/ 300 sxs
 Calc TOC 9300'

TD @ 11,220'