

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

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 PROPOSALS.)		WELL API NO. 30-025-31636
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Roughhouse Operating, LLC		6. State Oil & Gas Lease No. VB-131
3. Address of Operator 8361 N. Rampart Range Road, Suite B208, Littleton CO 80125		7. Lease Name or Unit Agreement Name Kemnitz South AFL State
4. Well Location Unit Letter <u>O</u> : <u>660</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>31</u> Township <u>16S</u> Range <u>34E</u> NMPM Lea County		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4124'GR		9. OGRID Number 330608
		10. Pool name or Wildcat Vacuum; Grayburg-SA

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Roughhouse Operating, LLC plans to plug and abandon this well as follows:

1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Set a CIBP at 4566'. Pressure test. Spot 25 sx Class "C" cement on top of CIBP to 4319'. WOC and tag. This will cover San Andres perfs and top.
3. Spot a 25 sx Class "C" cement plug from 2684'-2437'. This will cover Tansill top.
4. Perforate at 1710'. Attempt injection rate. Spot a 25 sx Class "C" cement plug from 1710'-1463'. WOC and tag. This will cover Salado top, casing shoe and Rustler top.
5. Perforate at 100'. Attempt injection/circulation. Spot 25 sx Class "C" cement at 100' and circulate up to surface. Verify cement at surface. Back fill as needed.
6. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

See attached Conditions of Approval

4" diameter 4' tall above ground marker

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Traci Folmar TITLE Production Reporting Analyst DATE May 23, 2022

Type or print name Traci Folmar E-mail address: tfolmar@roughhouseoperating.com PHONE: 972-768-6426

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 6/27/22

Conditions of Approval

Kemnitz South AFL State #1 Current

Sec-TWN-RNG: 31-16S-34E API: 30-025-31636
 FOOTAGES: 660 FSL & 1980 FEL GR: 4124.5

CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	12 1/4	8 5/8	24	J-55	0	1,550	750	Circ	
B	7 7/8	5 1/2	15.5	J-55	0	4,800	795		CBL ran to 2000'

FORMATION TOPS				
Formation	Top (MD)	Formation	Top (MD)	Formation
Rustler	1536			
Salado	1660			
Tansill	2634			
San Andres	4576			

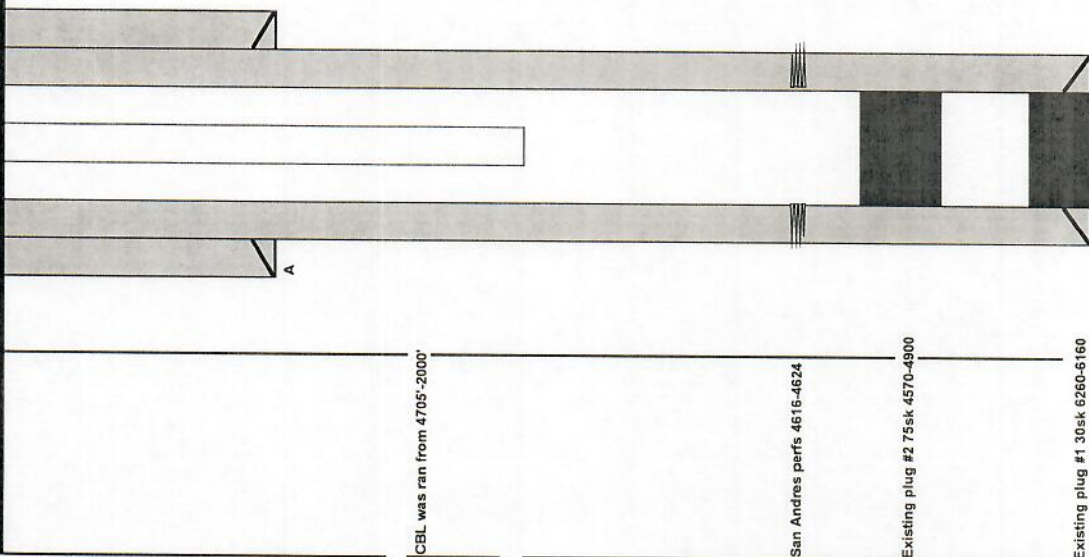
TUBING DETAIL	
2 7/8 tbg @ 4715	

PLUGS					
#	SX	Class	Top	Bottom	Notes
1					
2					
3					
4					
5					
6					
7					
8					

Formation	Top	Bottom	Treatment
San Andres	4,616	4,624	Acidized w/1500 gals 20% NEFE and 12000 gals gelled 20% NEFE acid

ADDITIONAL DETAIL	
8/1992-Drilled well to 6260 to log. Set 2 cement plugs on bottom and drilled out to run casing to 4800'. CBL was ran from 4705-2000.	

Nfamer 5/19/22



P8TD: 4,624 MD
 TD: 6,260 MD
 B

Kemnitz South AFL State #1 Proposed

Plug 4: Perf @ 100'. 0-100' Verify @ surface. Surface plug

Plug 3: Perf @ 1710. 1463-1710. WOC & tag. Salado top + Casing shoe + Rustler top

CBL was ran from 4705'-2000'

Plug 2: 2437-2684. Tansill top

Plug 1: CIBP @ 4566. 4319-4566. WOC & tag. San Andres perfs + San Andres top

San Andres perfs 4616-4624

Existing plug #2 75sk 4570-4900

Existing plug #1 30sk 6260-6160

PBD: 4,624 MD
TD: 6,260 MD

Sec-TWN-RNG: 31-16S-34E
FOOTAGES: 660 FSL & 1980 FEL

API: 30-025-31636
GR: 4124.5

CASING DETAIL							
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt
A	12 1/4	8 5/8	24	J-55	0	1,550	750
B	7 7/8	5 1/2	15.5	J-55	0	4,800	795
							CBL ran to 2000'

FORMATION TOPS							
Formation	Top (MD)	Formation	Top (MD)	Formation	Top (MD)	Formation	Top (MD)
Rustler	1536						
Salado	1660						
Tansill	2634						
San Andres	4576						

TUBING DETAIL	
2 7/8 log @ 4715	

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	25	C	4319	4566	247	CIBP @ 4566. Pressure test. Spot 25sk. WOC & tag. San Andres perfs + San Andres top	Y
2	25	C	2437	2684	247	Spot 25sk. Tansill top	N
3	25	C	1463	1710	247	Perf @ 1710. Attempt inj. Spot 25sk. WOC & tag. Salado top + Casing shoe + Rustler top	Y
4	25	C	0	100	100	Perf @ 100'. Attempt inj/crc. Spot 25sk. Verify @ surface. Surface plug.	Y
5							
6							
7							
8							

Formation	Top	Bottom	Treatment
San Andres	4,616	4,624	Acidized w/1500 gals 20% NEFE and 12000 gals gelled 20% NEFE acid

ADDITIONAL DETAIL

8/1992-Drilled well to 6260 to log. Set 2 cement plugs on bottom and drilled out to run casing to 4800'. CBL was ran from 4705-2000.

Nfarmer 5/19/22

**CONDITIONS OF APPROVAL
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 I (Hobbs) at (575)-263-6633 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
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),
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 REQUIREMENTS

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

District I
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District II
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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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 115395

CONDITIONS

Operator: Roughhouse Operating, LLC 1605 Addison Road Addison, TX 75001	OGRID: 330608
	Action Number: 115395
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA	6/27/2022