

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-005-63628
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 Hanson Operating Company, Inc.		6. State Oil & Gas Lease No. VO-2925
3. Address of Operator P O Box 1515, Roswell, NM 88202		7. Lease Name or Unit Agreement Name Trailblazer ANL State
4. Well Location Unit Letter <u>A</u> : <u>990</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>11</u> Township <u>8 South</u> Range <u>27 East</u> NMPM Chaves County		8. Well Number #3
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3974' GL		9. OGRID Number 009974
		10. Pool name or Wildcat Acme San Andres Southeast

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.

CONDITIONS OF APPROVAL ATTACHED

Propose to Plug and Abandon the well as follows:

Approval Granted providing work is  
Completed by

1. MIRU. Set cement tanks. Pull tubing.
2. Set CIBP at 2100' with 35' cement cap.
3. Circulate hole with 10# brine and 12.5 ppb salt water gel.
4. Perforate casing at 1164' with 4 holes.
5. Squeeze 25 sacks cement for solid 100' plug inside and outside 5 1/2" casing.
6. Shut down for 2-3 hours. WOC. Tag cement plug.
7. Perforate casing at 400' with 4 holes.
8. Squeeze 100 sacks cement to surface for solid 400' plug inside and outside 5 1/2" casing.
9. Set Dry Hole Marker.
10. Clean and remediate location.

June 17<sup>th</sup> 2015

Spud Date: 12/29/2003

Rig Release Date: 3/17/2004

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

SIGNATURE Carol J. Smith TITLE Production Analyst DATE 5/6/2014

Type or print name Carol J. Smith E-mail address: hanson@dfn.com PHONE: 575-622-7330  
For State Use Only

APPROVED BY: RDade TITLE Dist. P. Spewison DATE June 17, 2014  
Conditions of Approval (if any):

★ See Attached COA's

# WELLBORE DIAGRAM

WELL NAME	Trailblazer ANL State #3		FIELD	Acme San Andres SE
LOCATION	990' FNL & 660' FEL, A-Section 11-8S-27E, Chaves County, New Mexico			
GL	3974'	ZERO	KB	
SPUD DATE	12/29/2003	COMPLETION DATE	3/17/2004	
COMMENTS:	API #30-005-63628			

14 3/4" Hole

11" Hole

7 7/8" Hole

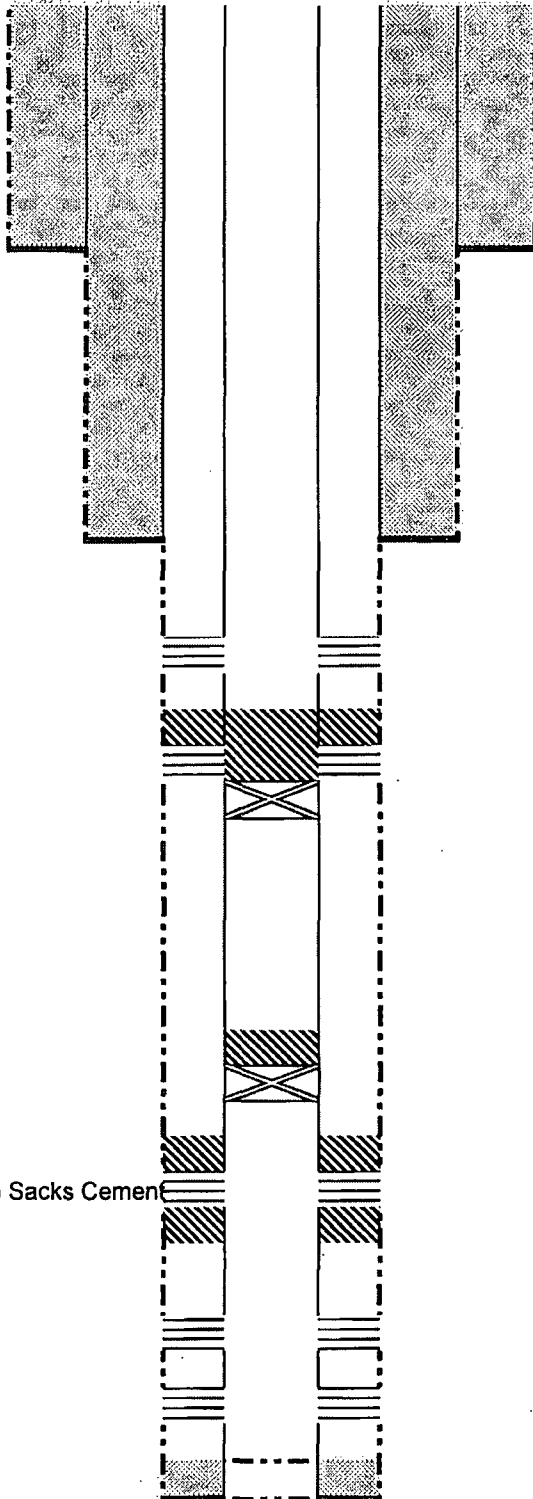
Retainer at 2250'

CIBP at 2350'

CIBP at 5300'  
35' Cement Cap

Squeezed with 225 Sacks Cement

PBTD 6880'



TD 6890'

## CASING PROGRAM

11 3/4" 42#	422'
8 5/8" 24#	1114'
5 1/2" 17#, 15.5#	6890'

11 3/4" at 422' with 400 Sacks Cement Circulated

8 5/8" at 1114' with 500 Sacks Cement Circulated

TOC 1350' CBL

San Andres

Perfs: 2168'-2184' 12 holes

Squeeze Perfs 2325'-2328' 12 Holes with 450 Sacks Cement

TOC 4064' CBL

Wolfcamp

Perfs: 5616'-5630' 56 Holes

Cisco

Perfs: 6204'-6294' 104 Holes

Mississippian

Perfs: 6524'-6618' 126 Holes

5 1/2" at 6890' with 600 Sacks Cement

**BEFORE**

Not to Scale

5/6/2014

# WELLBORE DIAGRAM

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LOCATION	990 FNL & 660 FEL, A-Section 11-8S-27E, Chaves County, New Mexico			
GL	3974'	ZERO	KB	
SPUD DATE	12/29/2003	COMPLETION DATE	3/17/2004	
COMMENTS:	API #30-005-63628			

14 3/4" Hole

11" Hole

Squeeze 100 Sacks Cement  
400' Plug Inside/Outside  
Casing

7 7/8" Hole

Squeeze 25 Sacks Cement  
100' Plug Inside/Outside Casing

CIBP at 2100'  
35' Cement Cap  
Retainer at 2250'

CIBP at 2350'

CIBP at 5300'  
35' Cement Cap

Squeezed with 225 Sacks Cement

PBTD 6880'

TD 6890'

## CASING PROGRAM

11 3/4" 42#	422'
8 5/8" 24#	1114'
5 1/2" 17#, 15.5#	6890'

11 3/4" at 422' with 400 Sacks Cement Circulated  
Squeeze Perfs at 400' 4 Holes

8 5/8" at 1114' with 500 Sacks Cement Circulated  
Squeeze Perfs at 1164' 4 Holes

**AFTER**

TOC 1350' CBL  
San Andres  
Perfs 2168'-2184' 12 holes

Squeeze Perfs 2325'-2328' 12 Holes with 450 Sacks Cement

TOC 4064' CBL

Wolfcamp  
Perfs 5616'-5630' 56 Holes

Cisco  
Perfs 6204'-6294' 104 Holes  
Mississippian  
Perfs 6524'-6618' 126 Holes

5 1/2" at 6890' with 600 Sacks Cement

Not to Scale  
5/6/2014

NEW MEXICO OIL CONSERVATION DIVISION  
DISTRICT 2 OFFICE  
811 S. FIRST STREET  
ARTESIA, NM 88210  
(575)748-1283

CONDITIONS OF APPROVAL FOR PLUGGING & ABANDONMENT

Operator: Hanson Operating Co.

Well Name & Number: Trailblazer AIL Site # 3

API #: 30-005-63628

1. Produced water **will not** be used during any part of the plugging & abandonment operation.
2. Notify NMOCD Dist. 2 office at least 24 hrs before beginning work.
3. Closed Loop System is to be used for entire plugging operation. Upon completion, contents of steel pit are to be hauled to a permitted disposal location.
4. 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 place prior to performing work. Drivers shall produce a copy upon request of NMOCD Field Inspectors.
5. A subsequent C-103 will serve as notification that the well bore has been plugged ONLY. A C-103 FINAL shall be filed before any bonding can be released on the well. Upon receipt of the Final, an inspection will be performed to verify that the location has been satisfactorily cleaned to NMOCD standards.
6. If work has not begun within 90 days of the approval of this procedure, an extension request must be filed, stating reason that well has not been plugged.
7. Every attempt must be made to clean the well bore out to below the perfs, before any plugs can be set, by whatever means possible.
8. Cement Retainers may not be used.

9. Squeeze pressures are not to exceed 500 PSI, unless approval is given by NMOCD.
10. Plugs may be combined after consulting with and getting approval from NMOCD.
11. Minimum WOC time for tag plugs will be 4 Hrs.

**DATE:**

**APPROVED BY:**

## GUIDELINES FOR PLUGGING AND ABANDONMENT

### DISTRICT II / ARTESIA

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks of gel per 100 bbls of water.
- A cement plug is required to be set 50' below and 50' above all casing shoes and casing stub plugs. These plugs must be tagged.
- A CIBP with 35' of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. This plug must be tagged.
- Plugs set below and above salt zones must be tagged.
- No more than 2000' is to be allowed between cement plugs in open hole and no more than 3000' in cased hole.
- DV tools are required to have a 100' cement plug set 50' above and below the tool and must be tagged.
- Formations to be isolated with plugs placed at the top of each formation are:
  - Fusselman
  - Devonian
  - Morrow
  - Wolfcamp
  - Bone Spring
  - Delaware
  - Any Salt Section (Plug at top and bottom)
  - Abo
  - Glorieta
  - Yates (this plug is usually at base of salt section)
- If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with plugs set at these depths or casing must be perforated and cement squeezed behind casing at the formation depths.
- 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 common to the section penetrated and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible (50' below and 50' above).