

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

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

Form C-103  
Revised August 1, 2011

<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. 30-025-30085
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 type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator RAM ENERGY LLC		6. State Oil & Gas Lease No. 313857
3. Address of Operator 2100 S. UTICA AVE., SUITE 175, TULSA, OK 74114		7. Lease Name or Unit Agreement Name WEST DOLLARHIDE QUEEN SAND UNIT
4. Well Location Unit Letter <u>H</u> <u>250</u> feet from the <u>EAST</u> line and <u>1450</u> feet from the <u>NORTH</u> line Section <u>31</u> Township <u>24S</u> Range <u>38E</u> NMPM LEA County		8. Well Number 88
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3159' KB		9. OGRID Number 309777
		10. Pool name or Wildcat DOLLARHIDE QUEEN (018810)

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

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.

1. NOTIFY NMOCDD 24 HRS. BEFORE MIRU.
2. MIRU. ND WH, NU BOPE.
3. SET CIBP@3500'. SPOT 25SX OF CLASS "C" CEMENT FROM 3500'-3400'.
4. CIRCULATE 9.5 PPG MLF AND TEST CASING.
5. SPOT 40SX OF CLASS "C" CEMENT FROM 2750'-2420'. WOC&TAG. (YATES/B.SALT)
6. SPOT 25SX OF CLASS "C" CEMENT FROM 1175'-975'. WOC&TAG. (T.SALT)
7. SPOT 55SX OF CLASS "C" CEMENT FROM 475'-SURFACE. VERIFY CEMENT TO SURFACE. (FW/SOHE/SURFACE).
8. CUTOFF WELLHEAD, ANCHORS 3' BELOW SURFACE AND INSTALL DRYHOLE MARKER. TURN OVER FOR RECLAMATION.

CLOSED LOOP CONTAINMENT SYSTEM WILL BE USED FOR FLUIDS.

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 MP TITLE OPERATIONS MANAGER DATE 02/10/20

Type or print name MATTHEW PATTERSON E-mail address: MPATTERSON@RAMENERGY.NET PHONE: (918)947-6301  
For State Use Only

APPROVED BY: Kerry Int TITLE CO DATE 2-10-20  
Conditions of Approval (if any):

See Attached  
Conditions of Approval

**WELLBORE DIAGRAM**  
**WEST DOLLARHIDE QUEEN SAND UNIT #88**  
**CURRENT**

Created: 02/10/20 By: LEE R.  
Updated: \_\_\_\_\_ By: \_\_\_\_\_  
Lease: WEST DOLLARHIDE QUEEN SAND UNIT  
Field: QUEEN  
Surf. Loc.: 250 FEL & 1450' FNL  
Bot. Loc.: \_\_\_\_\_  
County: LEA St.: NM  
Status: \_\_\_\_\_

Well #: 88  
API: 30-025-30085  
Unit Ltr.: H Sec. 31  
TSHP/Rng: T24S-R38E  
Pool Code: OGRID: 309777  
Directions: \_\_\_\_\_  
\_\_\_\_\_

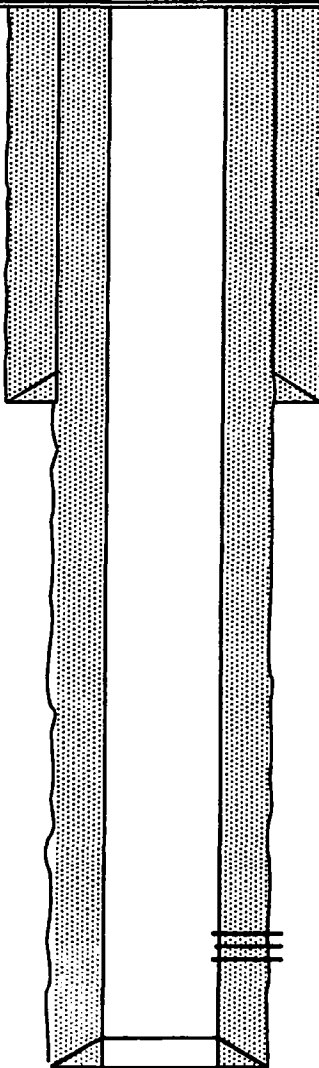
**Surface Casing**

Size: 8-5/8"  
Wt., Grd.: 24#  
Depth: 416'  
Sxs Cmt: 250  
Circulate: yes  
TOC: surface  
Hole Size: 12-1/4"

FORMATION TOPS	
T. Salt	1122'
B. Salt	2520'

**Intermediate Casing**

Size: 5-1/2"  
Wt., Grd.: 15.5#/17#  
Depth: 3880'  
Sxs Cmt: 1000  
Circulate: yes  
TOC: surface  
Hole Size: 7-7/8"



**Queen: 3593'-3758'(OA)**

**WELLBORE DIAGRAM**  
**WEST DOLLARHIDE QUEEN SAND UNIT #88**  
**PROPOSED**

Created: 02/10/20 By: LEE R.  
Updated: \_\_\_\_\_ By: \_\_\_\_\_  
Lease: WEST DOOLARHIDE QUEEN SAND UNIT  
Field: QUEEN  
Surf. Loc.: 250 FEL & 1450' FNL  
Bot. Loc.: \_\_\_\_\_  
County: LEA St.: NM  
Status: \_\_\_\_\_

Well #: 88  
API: 30-025-30085  
Unit Ltr.: H Sec. 31  
TSHP/Rng: T24S-R38E  
Pool Code: OGRID: 309777  
Directions: \_\_\_\_\_  
\_\_\_\_\_

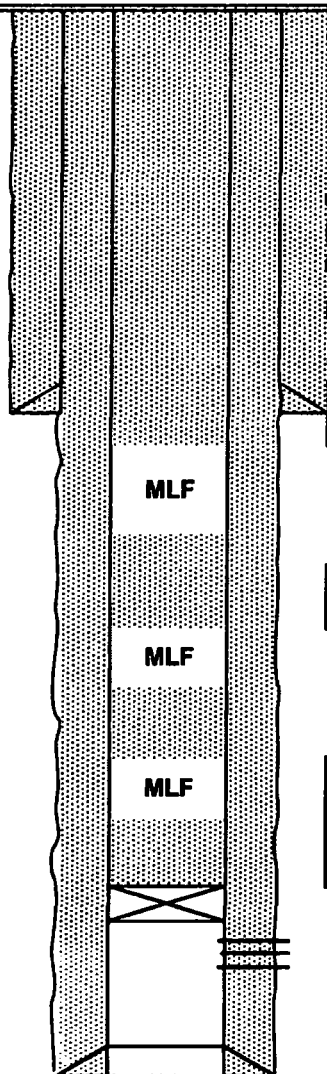
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Size: 8-5/8"  
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Size: 5-1/2"  
Wt., Grd.: 15.5#/17#  
Depth: 3880'  
Sxs Cmt: 1000  
Circulate: yes  
TOC: surface  
Hole Size: 7-7/8"



**SPOT 55SX OF CMT FROM 475'-SURFACE.  
VERIFY. (FW/SHOE/SURFACE)**

**SPOT 25SX OF CMT FROM 1175'-975'.  
WOC&TAG. (T.SALT)**

**SPOT 40SX OF CMT FROM 2750'-2420'.  
WOC&TAG. (YATES/B.SALT)  
SET CIBP@3500' AND SPOT 25SX ON TOP  
FROM 3500'-3400'.(PERFS)**

**Queen: 3593'-3758'(OA)**

**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, woe 4 hours and tag, this plug will be SO' 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, woe and tagged. These plugs will be set SO' 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 1/4" 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**