

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

| |
|---|
| WELL API NO. 30-025-23895 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED |
| 6. State Oil & Gas Lease No. SWD-1571B |
| 7. Lease Name or Unit Agreement Name VACA DRAW FED SWD |
| 8. Well Number 1 |
| 9. OGRID Number 161968 |
| 10. Pool name or Wildcat SWD: DEVONIAN |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) |

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.)

1. Type of Well: Oil Well Gas Well Other SWD

2. Name of Operator
MESQUITE SWD, INC

3. Address of Operator
PO BOX 1479, CARLSBAD NM, 88220

4. Well Location
 Unit Letter P : 658 feet from the S line and 662 feet from the E line
 Section 21 Township 25S Range 33E NMPM County LEA

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 type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input checked="" 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.

MESQUITE SWD SEEKS TO AMEND THE ORDER SWD-1571-B, TO CHANGE THE INJECTION TUBING FROM 4.5" TO 5.5".
 IN ACCORDANCE WITH VERBAL AND WRITTEN CONSENT FROM PHILLIP GOETZE MESQUITE WILL RUN THE 7.625" 39# CASING TO SURFACE AND CIRCULATE CEMENT TO SURFACE.

see attached cement program

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 Riley G. Neatherlin TITLE OPERATIONS MANAGER DATE 1/10/17

Type or print name RILEY G NEATHELRLIN E-mail address: RGNEATHELRLIN@GMAIL.COM PHONE: 575-706-7288
For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 01/12/17
 Conditions of Approval (if any): *

- Replacement of the 7 5/8-inch liner with 7 5/8-inch casing that is to be brought to surface and sufficiently cement, at a minimum, above the depth of the shoe for the existing 13 3/8-inch casing at 4986 ft.
- With this change in casing design, the Division will approve the increase in tubing size from the current 4.5-inch to the 5.5-inch tubing as proposed by Mesquite. The SWD order will be amended by the Division to reflect the casing change and the increase in tubing size.
- All other conditions remain unchanged as described in the SWD order.



ENERGY SERVICES LLC

Service Instructions

17500' (+/-) 8 3/4" openhole 7 5/8" 39# Casing
Prev Casing +/- 12600' 10 3/4" 45.5#
DV Tool +/- 12000'

1st Stage:

40 Bbls Chemical Wash (400# SAPP and 10 gallons Plexaid 803)

610 sks 50/50 Poz/H + 3% PF44 (BWOW (Salt) + 2% PF20
Bentonite + 1.2% PF606 Fluid Loss + .3% PF65 Dispersant + .14%
PF813 Retarder + .1% PF153 Antisettling Agent + 3 pps PF42
Kol-Seal + 4 pps PF45 Defoamer
14.2# Yield 1.35 H2O 5.834

PF909 : 47#
PF132 : 39.5#
PF20 : .173#
PF606: 1.038#-
PF65 : 26#
PF153 : .087#
PF813: .121#
PF42: 3#
PF45: 4#
PF44: 1.498#

2nd Stage:

1120 sks 50/50 Poz/H + 5% (BWOW) PF44 Salt + 10% PF20
Bentonite + 25% PF813 Retarder + 4 pps PF45 Defoamer
11.9# Yield 2.47 H2O 13.848

PF909: 47#
PF132: 39.5#
PF20: 8.65#
PF813: 216#
PF45: 4#
PF44: 5.765#

100 sks H + .3% PF13 Retarder + .3% PF606 Fluidloss
15.6# Yield 1.18 H2O 5.207

PF909: 94#
PF13: 282#
PF606: 282#

7 5/8 Head ETC
400# Sugar

Directions

Take 82 east to 360, turn right on 360 and go to 62-180, turn left on 62-180 and go to 31, turn right on 31 and to 128, turn left on 128 and go to C2 Battle Ax, turn right on Battle Ax and go to the stop sign at pipeline road, turn right for 1.2 miles, turn right and go 3 miles to the rig. Precision 590.



Par Five Energy Services, LLC
 11279 Lovington Hwy
 Artesia, NM
 Phone(575)748-8610 Fax: (575) 748-8625

ART16-6703-01F

Customer: Mesquite Services
Well Name: Vaca Draw SWD #1
County: Eddy State: NM
Rig: Precision 590
Salesman: Chris DeLeon

MD: 17500
TVD: 17500
BHST: 220
BHCT: 181

Report Date: January 09 2017
Stage: 1st Stage Lead
String: Liner
Blend Type: Field Blend
Reported By: Orquiz, Freddy

Slurry Information

Density: 14.20 ppg Yield: 1.33 cuft/sk Mix Fluid: 5.995 gal/sk

Slurry Composition

Cement Blend: 50/50PozH

| Additive | Conc | Design | Description | Lot Number |
|----------|-------------|--------|---------------------|---------------|
| PF-044 | 3.000 % | BWOW | Salt | G3CB09 |
| PF-020 | 2.00% % | BWOB | Bentonite Gel | Bulk |
| PF-606 | 1.20% % | BWOB | Fluid Loss | GS20121C01-26 |
| PF-065 | 0.30% % | BWOB | Dispersant | 04110 |
| PF-813 | 0.14% % | BWOB | High Temp Retarder | 28S3SM |
| PF-153 | 0.10% | BWOB | Anti Settling Agent | |
| PF-045 | 0.400 lb/sk | BWOB | Defoamer | 201304AC |

Rheology (Average Readings)

| Temp | 3 | 6 | 100 | 200 | 300 | PV | YP |
|--------|------|------|------|-------|-----|--------|-------|
| 80 °F | 25.5 | 29.5 | 125 | 201.5 | 269 | 216 | 53 |
| 181 °F | 16 | 16.5 | 57.5 | 99 | 134 | 114.75 | 19.25 |

Thickening Time

| Temp | POD | 30 Bc | 50 Bc | 70 Bc | 100 Bc | Batch Time |
|--------|------|-------|-------|-------|--------|------------|
| 181 °F | 7:24 | 8:15 | 9:24 | 9:26 | | 0 |

Thickening Time does not include batch time.

Free Fluid

| Temp | Incl. | ml Collected | Start Time | Stop Time |
|--------|-------|--------------|------------|-----------|
| 181 °F | 0 | 0 ml/250 | 4:30 | 6:30 |

Fluid Loss

| Temp | PSI | ml Collected | Minutes | API (Calc) |
|--------|------|--------------|---------|------------|
| 181 °F | 1000 | 41 ml | At 30 | 82 |

Comments

The above data is for informational purposes, and Par Five Energy Services LLC, makes no guarantees or warranties, either expressed or implied, with respect to the accuracy or use of these data and interpretations.



Par Five Energy Services, LLC
 11279 Lovington Hwy
 Artesia, NM
 Phone(575)748-8610 Fax: (575) 748-8625

ART16-6703-02F

Customer: **Mesquite Services**
 Well Name: **Vaca Draw SWD #1**
 County: **Eddy** State: **NM**
 Rig: **Precision 590**
 Salesman: **Chris DeLeon**

MD: **12000**
 TVD: **12000**
 BHST: **176**
 BHCT: **139**

Report Date: **January 09 2017**
 Stage: **2nd Stage Lead**
 String: **Liner**
 Blend Type: **Field Blend**
 Reported By: **Orquiz, Freddy**

Slurry Information

Density: 11.90 ppg Yield: 2.47 cuft/sk Mix Fluid: 13.849 gal/sk

Slurry Composition

Cement Blend: 50/50PozH

| Additive | Conc | Design | Description | Lot Number |
|----------|-------------|--------|--------------------|------------|
| PF-044 | 5.000 % | BWOW | Salt | G3CB09 |
| PF-020 | 10.00% % | BWOB | Bentonite Gel | Bulk |
| PF-813 | 0.25% % | BWOB | High Temp Retarder | 28S3SM |
| PF-042 | 3.000 lb/sk | BWOB | KOLSEAL | Bulk |
| PF-045 | 0.400 lb/sk | BWOB | Defoamer | 201304AC |

Rheology (Average Readings)

| Temp | 3 | 6 | 100 | 200 | 300 | PV | YP |
|--------|----|------|------|-----|-----|-------|-------|
| 80 °F | 11 | 11.5 | 14 | 17 | 20 | 9 | 11 |
| 139 °F | 23 | 35 | 64.5 | 70 | 74 | 14.25 | 59.75 |

Thickening Time

| Temp | POD | 30 Bc | 50 Bc | 70 Bc | 100 Bc | Batch Time |
|--------|------|-------|-------|-------|--------|------------|
| 139 °F | 3:39 | 5:25 | 5:44 | 6:08 | | 0 |

Thickening Time does not include batch time.

Free Fluid

| Temp | Incl. | ml Collected | Start Time | Stop Time |
|--------|-------|--------------|------------|-----------|
| 139 °F | 0 | 0 ml/250 | 12:17 | 2:17 |

UCA Compressive Strength

| Temp | 50 psi | 500 psi | 12 hr | 24 hr | 48 hr | 72 hr |
|------|--------|---------|-------|-------|-------|-------|
|------|--------|---------|-------|-------|-------|-------|

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Comments

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