

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM112959

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit or CA/Agreement, Name and/or No.  
NMNM128992X

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

8. Well Name and No.  
PGA UNIT SWD 33 4

2. Name of Operator Contact: ALIPH REENA  
DUGAN PRODUCTION CORPORATION Email: aliph.reena@duganproduction.com

9. API Well No.  
30-045-35870-00-X1

3a. Address  
709 E MURRAY DRIVE  
FARMINGTON, NM 87499

3b. Phone No. (include area code)  
Ph: 505.325.1821

10. Field and Pool or Exploratory Area  
MORRISON

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 33 T24N R11W SESE 271FSL 184FEL  
36.263756 N Lat, 107.999817 W Lon

11. County or Parish, State  
SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                       |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                       |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other Drilling Operations |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

RU Aztec Drilling Rig #777. Drill with 8.5 ppg fresh water mud system. Spud well at 4:15 pm 8/24/18. Drilled 12-1/4" hole to 380' RKB at 7:30 pm. Circulate hole clean. Deviation survey at 380' at 0.2 degrees. RU San Juan Casing. Ran 8 joints 9-5/8", 36#, J-55 casing to 346' RKB. Centralizers installed on joints 7, 6, 5, 3, and 2. FC at 304'. Circulate hole clean. RU Halliburton Cement Services. Cemented w/200 sks, 236 cu ft (42 bbls), yield 1.18 cu ft/sk, 15.8#, 5.24 gal/sk Halliburton Halcem cement system (Class G cement) w/2% CaCl2. Dropped plug at 1:25 am 8/25/18. Displaced w/23.5 bbls water. Circulated 12 bbls cement to surface. Plug on bottom at 1:35 am 8/25/18. Bumped plug w/500 psi. Float held ok. Casey Arnette w/BLM witnessed job. WOC 12 hrs.

Cut and welded wellhead. NU BOP. Ready to test at 3:30 pm. Test pipe rams, blind rams, choke manifold, kill valves, kill checks, TIW valve, Kelly cock valve, HCR valve, and annular (1500 psi)

NMOCD  
NOV 26 2018  
DISTRICT III

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #434369 verified by the BLM Well Information System  
For DUGAN PRODUCTION CORPORATION, sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 11/09/2018 (19JWS0036SE)**

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Name (Printed/Typed) ALIPH REENA  | Title AGENT, ENGINEERING SUPERVISOR |
| Signature (Electronic Submission) | Date 09/07/2018                     |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|                             |   |                 |
|-----------------------------|---|-----------------|
| Approved By <b>ACCEPTED</b> | JACK SAVAGE<br>Title PETROLEUM ENGINEER | Date 11/09/2018 |
|-----------------------------|---|-----------------|

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCD

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**Additional data for EC transaction #434369 that would not fit on the form**

**32. Additional remarks, continued**

high, 250 low) to 3000 psi high for 10 mins, and 250 low for 5 mins. All tests passed. Pressure test casing to 800 psi and held good for 30 mins. Low pressure test to 250 psi for 15 mins and held ok. Accumulator function test passed. Bill Diers w/BLM witnessed tests. Tagged cement at FC @ 302'. Started drilling casing shoe w/8-3/4" bit @ 1:30 am 8/26/18.

## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

| Type  | Seq. No. | Graph Label                           | Date      | Time     | Source | DH Density<br><i>(ppg)</i> | Comb Pump Rate<br><i>(bb/min)</i> | PS Pump Press<br><i>(psi)</i> | Pump Stg Tot<br><i>(bb)</i> | Comments   |
|-------|----------|---------------------------------------|-----------|----------|--------|----------------------------|-----------------------------------|-------------------------------|-----------------------------|--|
| Event | 1        | Depart Yard Safety Meeting            | 8/24/2018 | 15:15:00 | USER   |                            |                                   |                               |                             | ALL HES PRESENT  |
| Event | 2        | Crew Leave Yard                       | 8/24/2018 | 15:30:00 | USER   |                            |                                   |                               |                             | CREW AND EQUIPMENT LEFT TO STAGE FOR JOB. 1 RED TIGER #11528220, 1 660 BULK TRUCK, 1 SERVICE PICKUP  |
| Event | 3        | Call Out                              | 8/24/2018 | 17:00:00 | USER   |                            |                                   |                               |                             | REQUESTED ON LOCATION @ 20:30. CREW WAITING IN FIELD.  |
| Event | 4        | Arrive At Loc                         | 8/24/2018 | 18:30:00 | USER   |                            |                                   |                               |                             | RIG DRILLING UPON HES ARRIVAL  |
| Event | 5        | Assessment Of Location Safety Meeting | 8/24/2018 | 19:00:00 | USER   |                            |                                   |                               |                             | MET WITH COMP REP, WENT OVER NUMBERS AND JOB PROCEDURE. WALKED AROUND LOCATION AND COLLECTED WATER SAMPLE. COMP REP WAS OFFERED SDS FOR ALL CHEMICLES USED BY HES. |
| Event | 6        | Spot Equipment                        | 8/24/2018 | 20:40:00 | USER   |                            |                                   |                               |                             | 1 RED TIGER #11528220, 1 660 BULK TRUCK, 1 SERVICE PICKUP  |
| Event | 7        | Pre-Rig Up Safety Meeting             | 8/24/2018 | 21:00:00 | USER   |                            |                                   |                               |                             | ALL HES PRESENT  |
| Event | 8        | Pre-Job Safety Meeting                | 8/25/2018 | 00:30:00 | USER   |                            |                                   |                               |                             | ALL HES AND RIG CREW PRESENT RIG CIRCULATED WITH RETURNS.  |

|       |    |                         |           |          |      |      |     |      |      |  |   |
|-------|----|-------------------------|-----------|----------|------|------|-----|------|------|--|---|
| Event | 9  | Start Job               | 8/25/2018 | 00:57:20 | USER |      |     |      |      |  | PRESSURIZED MUD SCALES WERE CALIBRATED TO DRINKING WATER PRIOR TO JOB. TD 380', TP 366', SJ 42', CSG 9 5/8" 36# J-55, OH 12 1/4", MUD 9.1 PPG |
| Event | 10 | Prime Lines             | 8/25/2018 | 00:57:52 | COM5 | 8.33 |     |      | 2    |  | PRIMED LINES WITH FRESH WATER VIA 6X5   |
| Event | 11 | Test Lines              | 8/25/2018 | 01:02:29 | COM5 |      |     | 2700 |      |  | PRESSURE HELD   |
| Event | 12 | Pump Spacer             | 8/25/2018 | 01:10:11 | COM5 | 8.33 | 5.0 | 90   | 10   |  | FRESH WATER   |
| Event | 13 | Check Weight            | 8/25/2018 | 01:11:45 | COM5 |      |     |      |      |  | WEIGHT VERIFIED VIA PRESSUREIZED MUD SCALES   |
| Event | 14 | Pump Lead Cement        | 8/25/2018 | 01:14:13 | COM5 | 15.8 | 5.0 | 150  | 42   |  | 200 SKS HALCEM CMT 15.8 PPG, 1.18 FT3/SK, 5.24 GAL/SK.  |
| Event | 15 | Shutdown                | 8/25/2018 | 01:22:47 | USER |      |     |      |      |  | END OF CEMENT. WASHED UP INTO CELLUR  |
| Event | 16 | Drop Top Plug           | 8/25/2018 | 01:28:58 | COM5 |      |     |      |      |  | DROPPED 3RD PARTY TOP PLUG VERIFIED BY FLAG INDICATOR   |
| Event | 17 | Pump Displacement       | 8/25/2018 | 01:29:20 | COM5 | 8.33 | 5.0 | 170  | 15   |  | FRESH WATER   |
| Event | 18 | Slow Rate               | 8/25/2018 | 01:32:48 | USER | 8.33 | 2.0 | 130  | 7    |  | SLOWED TO BUMP PLUG   |
| Event | 19 | Bump Plug               | 8/25/2018 | 01:36:39 | COM5 | 8.33 | 2.0 | 150  | 22   |  | PLUG BUMPED   |
| Event | 20 | Check Floats            | 8/25/2018 | 01:39:18 | USER |      |     |      | 1150 |  | FLOATS HELD 1 BBL FLOW BACK TO TRUCK  |
| Event | 21 | End Job                 | 8/25/2018 | 01:40:24 | COM5 |      |     |      |      |  | RETURNS THROUGHOUT JOB. USED 100 LBS SUGAR. 12 BBL CMT TO SURFACE.  |
| Event | 22 | Post-Job Safety Meeting | 8/25/2018 | 02:00:00 | USER |      |     |      |      |  | ALL HES PRESENT   |

(Pre Rig-Down)

|       |    |                           |           |          |      |   |
|-------|----|---------------------------|-----------|----------|------|---|
| Event | 23 | Pre-Convoy Safety Meeting | 8/25/2018 | 02:45:00 | USER | ALL HES PRESENT   |
| Event | 24 | Depart Location           | 8/25/2018 | 03:00:00 | USER | THANK YOU FOR CHOOSING HALLIBURTON CEMENT, DUSTIN HYDE AND CREW |

2.0 Attachments

2.1 CHART.png

