

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 July 18, 2013

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. 30-045-25718
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 Dugan Production Corp.		6. State Oil & Gas Lease No. E0-6515
3. Address of Operator PO Box 420, Farmington, NM 87499-0420		7. Lease Name or Unit Agreement Name Ranch
4. Well Location Unit Letter <u>B</u> : <u>512</u> feet from the <u>North</u> line and <u>2080</u> feet from the <u>East</u> line Section <u>16</u> Township <u>29N</u> Range <u>10W</u> NMPM <u>San Juan</u> County		8. Well Number 101
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5658' GL		9. OGRID Number 006515
10. Pool name or Wildcat Armenta Gallup (002290)		

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 type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input checked="" 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.

Dugan Production P&A'd the well on 12/21/2023 – 01/03/2024 per the attached procedure.

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 Aliph Reena TITLE Engineering Supervisor DATE 2/6/24
 Type or print name Aliph Reena, P.E. E-mail address: aliph.reena@duganproduction.com PHONE: 505-325-1821

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

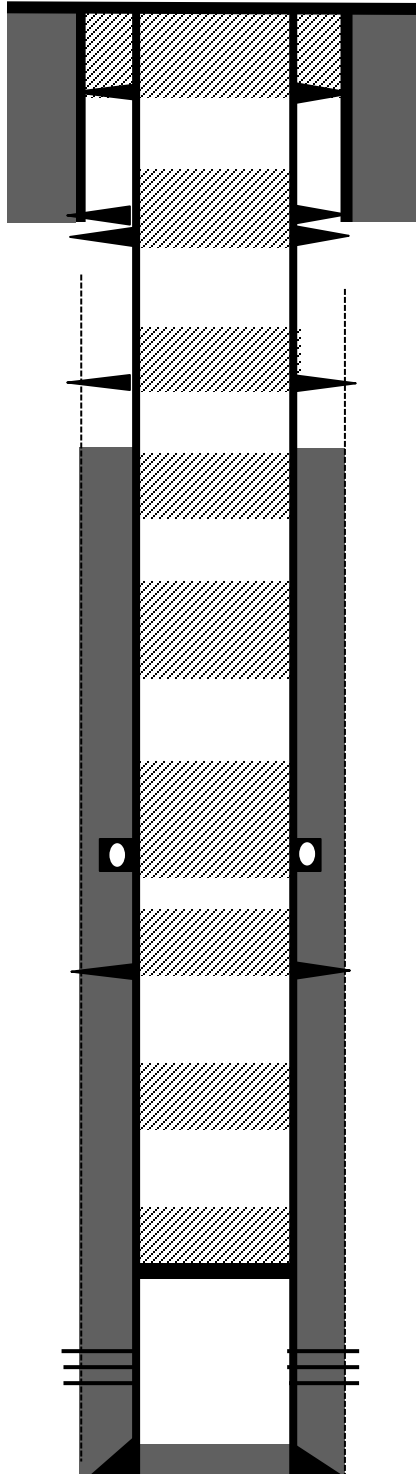
Conditions of Approval (if any): _____

Dugan Production P&A'd the well on 12/21/2023-01/03/2024 per the following procedure:

- MI&RU Aztec Rig 481 and cement equipment. Spot and NU BOP.
- PU & tally 2-3/8", 4.7# tubing for work string. Run 4½" string mill to 5534'. RIH w/4 ½" CIBP and started dragging around 5300' and tagged hard @ 5442' and plug set @ 5442'. Gallup perforations @ 5556'-6056'. Consulted with NMOCD, approved to start P&A ops from 5442'.
- Load & circulate hole. Attempt to pressure test casing to 600 psi for 30 minutes. Casing won't test.
- **Run CBL from 5442' to surface.** Sent copies of CBL & revised proposal to NMOCD. Copy of email communication attached.
- Spot Plug I inside 4½" casing from 5442' w/18 sks (20.7 cu ft) Class G cement to cover the Gallup top. Displaced w/19 bbls. WOC overnight. Tagged TOC @ 5253'. Good tag. **Plug I, inside 4½" casing, 18 sks, 20.7 cu ft, Gallup, 5253'-5442'.**
- Spot Plug II inside 4½" casing from 4808' w/16 sks (18.4 cu ft) Class G cement to cover the Mancos top. Displaced w/17 bbls. WOC 4 hrs. Tagged TOC @ 4627'. Good tag. **Plug II, inside 4½" casing, 16 sks, 18.4 cu ft, Mancos, 4627'-4808'.**
- RU Wireline and perforate @ 3743'. Attempt to establish a rate through the perforations. Cannot get a rate. Locked up. RIH open ended to 3800'. Spot Plug III inside 4½" casing from 3800' w/21 sks (24.2 cu ft) Class G cement to cover the Mesaverde top. Displaced w/13 bbls. WOC overnight. Tagged TOC @ 3540'. Good tag. **Plug III, inside 4½" casing, perforations @ 3743', 21 sks, 24.2 cu ft, Mesaverde, 3540'-3800'.**
- Attempt to pressure test casing to 650 psi for 30 minutes. Casing tested good. Test passed.
- Spot Plug IV inside 4½" casing from 3415' w/34 sks (39.1 cu ft) Class G cement to 2968' to cover the DV tool & Chacra top. Displaced w/11 bbls. **Plug IV, inside 4½" casing, 34 sks, 39.1 cu ft, Chacra-DV tool, 2968'-3415'.**
- Spot Plug V inside 4½" casing from 2095' to 1608' w/37 sks (42.6 cu ft) Class G cement to cover the Pictured Cliffs & Fruitland tops. Displaced w/5.5 bbls. **Plug V, inside 4½" casing, 37 sks, 42.6 cu ft, Pictured Cliffs – Fruitland, 1608'-2095'.**
- RU wireline and perforate @ 994'. Attempt to get an injection rate through the squeeze holes. Cannot get a rate. TIH open ended to 1062'. Spot Plug VI inside 4½" casing from 1062' to 799' w/20 sks (23 cu ft) Class G cement to cover the Kirtland top. Displaced w/2.5 bbls. WOC overnight. Tagged TOC @ 805'. Good tag. **Plug VI, inside 4½" casing, perforations @ 994', 20 sks, 23 cu ft, Kirtland, 805'-1062'.**
- Perforate @ 745'. Attempt to get an injection rate through the squeeze holes. Cannot get a rate. TIH open ended to 803'. Spot Plug VII inside 4½" casing from 803' w/20 sks (23 cu ft) Class G cement to cover the Ojo Alamo top. Displaced w/2 bbls. WOC 4 hrs. Tagged TOC @ 546'. Good tag. **Plug VII, inside 4½" casing, perforations @ 745', 20 sks, 23 cu ft, Ojo-Alamo, 546'-745'.**
- RIH w/wireline and perforate @ 545'. Attempt to get an injection rate through the squeeze holes. Cannot get a rate. Perforate @ 490'. Cannot establish rate. TIH open ended to 545'. Spot inside plug from 545' w/16 sks (18.4 cu ft) Class G neat cement to cover the surface casing shoe. Displaced w/1.3 bbls. Trip out of cement and reverse out from 332'. WOC overnight. Tagged TOC @ 334'. Good tag. **Plug VIII, inside 4½" casing, perforations @ 490' & 545', 16 sks, 18.4 cu ft, surface casing shoe, 334'-545'.**
- RIH w/wireline and perforate @ 150'. Establish circulation to surface through BH. Swapped to cement. Pumped Plug IX w/46 sks, 52.9 cu ft Class G neat cement to circulate cement to surface through perforations @ 150'. WOC 4 hrs. Cut wellhead off. TOC at surface inside 4½" casing & inside the annulus. **Plug IX, inside/outside 4½" casing, perforations @ 150', 46 sks, 52.9 cu ft, Surface, 0-150'.**
- Fill up cellar and install dry hole marker with 18 sks, 20.7 cu ft Class G neat cement. Clean location. Anthony Bunny w/NMOCD witnessed job. RD Aztec Rig 481 and move. **Well P&A'd 01/03/2024.**

Completed P & A Wellbore Schematic

Ranch #101
 API: 30-045-25718
 Unit B Sec 16 T29N R10W
 512' FNL & 2080' FEL
 San Juan County, NM
 Lat:36.7319984 Long:-107.8883667



8-5/8" K-55 24# casing @ 496'. Cemented with 335 sks Class B (392 Cu.ft). Circulated 13 bbls cement to surface. Hole size: 12-1/4

Plug IX, Inside/Outside 4 1/2" casing, perforations @ 150', 46 sks, 52.9 Cu.ft, Surface, 0-150'

Plug VIII, Inside 4 1/2" casing, perforations @ 490' & 545', 16 sks, 18.4 Cu.ft, Surface casing shoe, 334'-545'

Plug VII, Inside 4 1/2" casing, perforations @ 745', 20 sks, 23 Cu.ft, Ojo Alamo, 546'-745'

Plug VI, Inside 4 1/2" casing, Perforations @ 994', 20 sks, 23 Cu.ft, Kirtland, 805'-1062'

Plug V, Inside 4 1/2" casing, 37 sks, 42.6 Cu.ft, Pictured Cliffs – Fruitland, 1608'-2095'

Plug IV, Inside 4 1/2" casing, 34 sks, 39.1 Cu.ft, Chacra-DV tool, 2968'-3415'

Plug III, Inside 4 1/2" casing, Perforations @ 3743', 21 sks, 24.2 Cu.ft, Mesaverde, 3540'-3800'

Cemented Stage I w/ 280 sks 65-35 w/ 12%, followed by 225 sks Class B neat 1099.2 Cu.ft cement. DV @ 3372'. Stage II w/ 400 sks lite w/ 12% followed w/ 650 sks poz, 1690 Cu.ft. Total cement 2789.2 Cu.ft. Circulated 5 bbl cement to surface. Will run CBL.

Plug II, Inside 4 1/2" casing, 16 sks, 18.4 Cu.ft, Mancos, 4627'-4808'

CIBP @ 5442'. Plug I, Inside 4 1/2" casing, 18 sks, 20.7 Cu.ft, Gallup, 5253'-5442'

Gallup Perforated @ 5556'-6056'

4 1/2" 11.6 # casing @ 6157'. PBSD @ 6074'. Hole size: 7-7/8"

Ranch 101

API: 30-045-25718

Unit B Sec 16 T29N R10W

512' FNL & 2080' FEL

San Juan County, NM

Lat:36.7319984 Long:-107.8883667

Elevation ASL : 5658 GL

Formation Tops

- **Surface Casing - 496**
- **Ojo Alamo - 695**
- **Kirtland - 948**
- **Fruitland - 1765**
- **Pictured Cliffs - 2031**
- **Lewis - 2115**
- **Chacra - 3137**
- **Mesaverde - 3693**
- **Mancos - 4752**
- **Gallup - 5556**

Tyra Feil

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Thursday, December 28, 2023 1:02 PM
To: Aliph Reena; Michel Crane
Cc: Bunny, Anthony, EMNRD; Tyra Feil
Subject: RE: [EXTERNAL] RE: Ranch_101_CBL

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NMOCD approves below

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Aliph Reena <Aliph.Reena@duganproduction.com>
Sent: Thursday, December 28, 2023 12:12 PM
To: Michel Crane <mcrane@aztecwell.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: Bunny, Anthony, EMNRD <Anthony.Bunny@emnrd.nm.gov>; Tyra Feil <Tyra.Feil@duganproduction.com>
Subject: [EXTERNAL] RE: Ranch_101_CBL

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Re-sending the CBL & Approved NOI for Ranch 101

Aliph Reena P.E
Engineering Supervisor
Dugan Production Corp.
Cell: 505-360-9192

From: Aliph Reena
Sent: Thursday, December 28, 2023 11:54 AM
To: 'Michel Crane' <mcrane@aztecwell.com>; monica.kuehling@state.nm.us; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Cc: anthony.bunny@emnrd.nm.gov; Tyra Feil <Tyra.Feil@duganproduction.com>
Subject: RE: Ranch_101_CBL

Hi Monica,

Please see the CBL ran for Dugan Production's Ranch # 101, API: 30-045-25718

After the CBL run, the tops of cement appear to be intermittent. The good cement tops are approximately as;

0-1460 : Empty pipe
1460-1850: Cement
1850-2050: Empty Pipe
2050-3360: Cement
3360-4096: Empty
4096-TD: Cement

We propose the following changes to the Plugs based on the CBL.

1. **Plug III**, Mesaverde 3593-3743, will do inside outside.
2. **Plug IV**, Bring up chakra plug to spot some cement across the DV tool. Spot inside **Plug IV**, Inside 4 ½", from 3410 to 3037, extend to include 50' below DV to cover 100' above Chacra.
2. **Plug VI** will be split in two for Kirtland & Ojo Alamo + Surface Casing shoe. **Plug VI**, Perforate @ 998, Kirtland, 848-998, Inside outside;
- Plug VII**, Perforate @ 745, Ojo Alamo & Surface casing shoe , 396-745 Inside Outside (These plugs will get too close if we do not combine them)
3. **Plug VIII** will be surface plug. Perforate @ 150'. Circulate cement to surface through BH.

Volumes will be adjusted to 100% excess outside. All other plugs will be spotted as approved in the original approved NOI.

Please let us know so we can proceed accordingly.

Thanks

Aliph Reena, 505-3609192

Aliph Reena P.E

Engineering Supervisor

Dugan Production Corp.

Cell: 505-360-9192

From: Michel Crane <mcrane@aztecwell.com>

Sent: Wednesday, December 27, 2023 1:56 PM

To: Aliph Reena <Aliph.Reena@duganproduction.com>; monica.kuehling@state.nm.us

Cc: anthony.bunny@emnrd.nm.gov

Subject: Ranch_101_CBL

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All,

Please see attached CBL for Dugan production on the Ranch #101.

Thanks,

Michel Crane

Asst. Well Servicing Manager
Aztec Well Servicing Co.
P.O. Box 100
Aztec, New Mexico 87410
Cell: 505-419-4715
Office: 505-334-6191
mcrane@aztecwell.com



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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 321150

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 321150
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 1/3/2024	3/7/2024