

Well Name: MOLLY PITCHER	Well Location: T30N / R14W / SEC 14 / SENE / 36.814243 / -108.27089	County or Parish/State: SAN JUAN / NM
Well Number: 4 SWD	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
Lease Number: NMNM628	Unit or CA Name:	Unit or CA Number:
US Well Number: 300453095400S1	Well Status: Water Disposal Well	Operator: DUGAN PRODUCTION CORPORATION

Notice of Intent

Sundry ID: 2700590

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/31/2022

Time Sundry Submitted: 01:04

Date proposed operation will begin: 01/09/2023

Procedure Description: Dugan Production plans to plug and abandon the well as per the following procedure: 1) TOH & lay down 2-7/8" injection tubing and injection packer. CBL ran from 4100' to surface on 8/6/2020. CBL was submitted to OCD, but a copy is also attached with the procedure. TOC behind casing to surface from the CBL. 2) RIH w/2-3/8" work string & set 5-1/2" cement retainer @ 4082'. Mesaverde (Point Lookout) injection perforations @ 4132'-4444'. Load hole and pressure test casing to 600 psi. 3) Sting in cement retainer and spot 8 sks (9.2 cu ft) Class G cement to cover 50' below the CR inside 5-1/2" casing @ 4082' to 4132' below the cement retainer. Sting out of the CR. Spot plug with 12 sks (13.8 cu ft) above the retainer from 4082' to 3982' w/50' excess included (1.15 cu ft/sk, 15.8#/gal). Plug I, Point Lookout, 20 sks; 23 cu ft, inside 5-1/2" casing, 3982'-4132'. 4) Spot Plug II inside 5-1/2" casing from 3293' to 3193' w/12 sks (13.8 cu ft) Class G cement to cover Mesaverde top w/50' excess added. Plug II, Mesaverde, 12 sks, 13.8 cu ft, inside 5-1/2" casing, 3193'-3293'. 5) Spot Plug III inside 5-1/2" casing from 1762' to 1662' w/12 sks (13.8 cu ft) Class G cement to cover the Pictured Cliffs top w/50' excess added. Plug III, Pictured Cliffs, 12 sks, 13.8 cu ft, inside 5-1/2" casing, 1662'-1762'. 6) Spot Plug VI inside 5-1/2" casing from 1401' to 1301' w/12 sks (13.8 cu ft) Class G cement to cover the Fruitland top w/50' excess added. Plug IV, Fruitland, 12 sks, 13.8 cu ft, inside 5-1/2" casing, 1301'-1401'. 7) Spot inside Plug V inside 5-1/2" casing from 291' to surface w/40 sks (46 cu ft) Class G cement to cover the surface casing shoe, Kirtland & Ojo Alamo tops to surface w/50' excess included. Plug V, Surface-Kirtland-Ojo Alamo, 40 sks, 46 cu ft, inside 5-1/2" casing 0-291'. 8) WOC 4 hrs. Cut wellhead. Tag TOC at surface. Fill cement in case needed. 9) Install dry hole marker. Clean location.

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US Well Number: 300453095400S1	Well Status: Water Disposal Well	Operator: DUGAN PRODUCTION CORPORATION

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments**Procedure Description**

Molly_Pitcher_4_SWD_CBL_20221031130346.pdf
Molly_Pitcher_4_SWD_PA_Reclamtion_PLan_20221031130222.pdf
Molly_Pitcher_SWD_4_Formation_Tops_20221031130032.pdf
Molly_Pitcher_4_SWD_planned_wellbore_schematic_20221031130010.pdf
Molly_Pitcher_4_SWD_current_wellbore_schematic_20221031125949.pdf
CEMENT REPORTS.PDF
PHILLIPS 11-34H 1002A.PDF
FINAL SURVEY UPDATE - CIMAREX ENERGY PHILLIPS 11-34H 04-MAY-2015

Conditions of Approval**Additional**

30N14W14HKmv_Molly_Pitcher_SWD_004_20221108154915.pdf

Authorized

General_Requirement_PxA_20221108175832.pdf
2700590_NOIA_4_SWD_3004530954_KR_11082022_20221108175810.pdf

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Lease Number: NMNM628	Unit or CA Name:	Unit or CA Number:
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Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: TYRA FEIL**Signed on:** OCT 31, 2022 12:50 PM**Name:** DUGAN PRODUCTION CORPORATION**Title:** Authorized Representative**Street Address:** PO Box 420**City:** Farmington**State:** NM**Phone:** (505) 325-1821**Email address:** tyrafeil@duganproduction.com**Field****Representative Name:** ALIPH REENA**Street Address:** PO BOX 420**City:** FARMINGTON**State:** NM**Zip:** 87499-0420**Phone:** (505) 325-1821**Email address:** Aliph.Reena@duganproduction.com**BLM Point of Contact****BLM POC Name:** KENNETH G RENNICK**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5055647742**BLM POC Email Address:** krennick@blm.gov**Disposition:** Approved**Disposition Date:** 11/08/2022**Signature:** Kenneth Rennick

Current Wellbore Schematic

Molly Pitcher SWD # 4

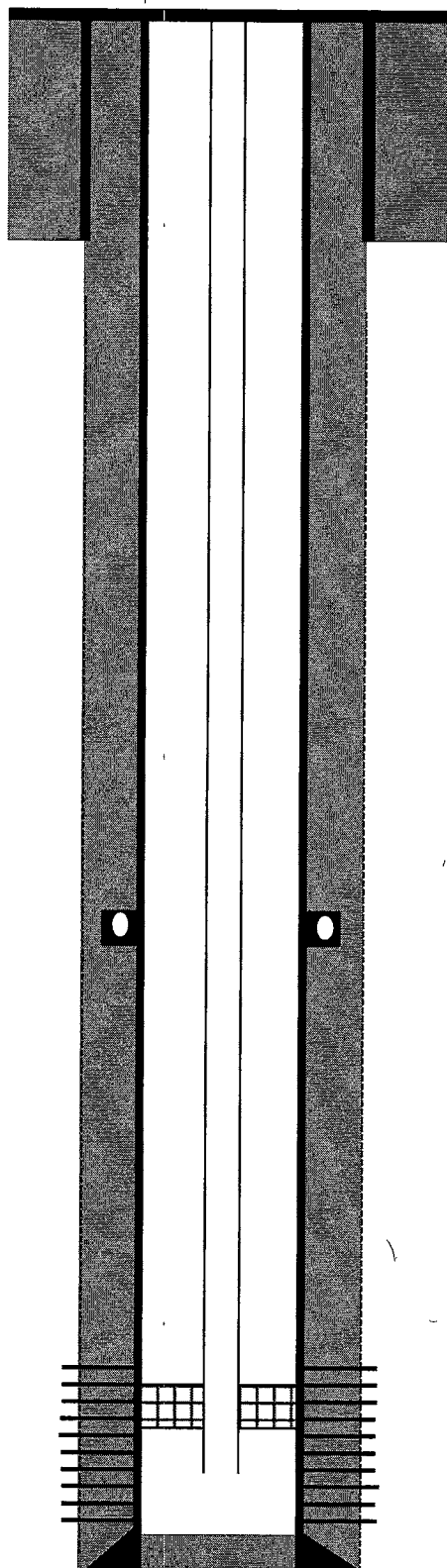
API; 30-045-30954

Sec 14 T30N R14W

2610' FNL & 425' FEL, Mesaverde

San Juan County, NM

Lat:36.8142433 Long:-108.2708817



8-5/8" J-55 24# casing @ 228'. Cemented with 180 sks, 212 cf Class B w/
3% CaCl₂. Circulated 5 bbls to surface. Hole size: 12-1/4

Cemented Stage I w / 392 Cu.ft Premium Lite followed by 343 Cu.ft Type III. DV tool
@ 1806'. Cemented stage II w / 438 cu.ft Premium Lite followed by 105 cu.ft Type III.
Total slurry 1278 cu.ft. Circulated 10 bbls cement cement to surface.

CBL ran on 08/06/2020 showed cement to surface. Submitted CBL to NMOCD.
Copy of the CBL attached with procedure

2-7/8" IPC Coated tubing to 4066
Baker AD-1 Injection Packer @ 4068

Mesaverde Perforated @ 4132'-4444'

5 1/2" 15.5 # casing @ 4600'. PBTD @ 4551'

Molly Pitcher SWD # 4

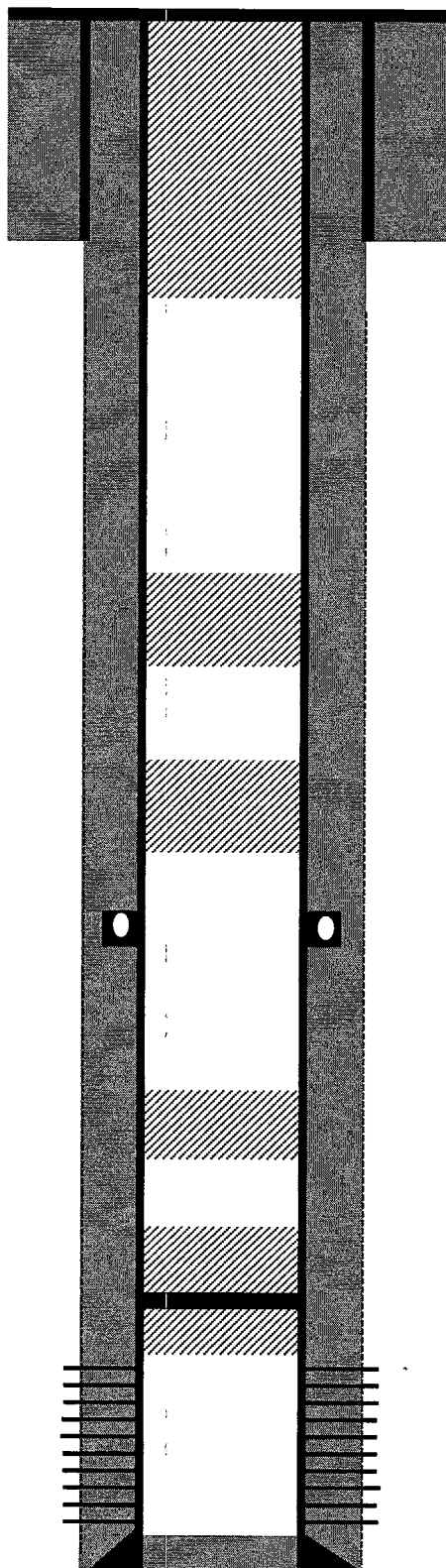
Sec 14 T30N R14W

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2610' FNL & 425' FEL, Mesaverde

San Juan County, NM

Lat:36.8142433 Long:-108.2708817



Spot and circulate cement to surface w/ 40 sks Class G @ 0-291'
(46 cu.ft). Plug IV: Inside, Surface-Kirtland- Ojo Alamo, 0-291'

Spot inside plug w/ 12 sks Class G (13.8 cu.ft) @ 1301'-1401'
Plug II: Inside, Fruitland, 1301'-1401'

Spot inside plug w/ 12 sks Class G (13.8 cu.ft) @ 1662'-1762'
Plug II: Inside, PC, 1662'-1762'

Cemented Stage I w / 392 Cu.ft Premium Lite followed by 343 Cu.ft Type III. DV tool @ 1806'. Cemented stage II w/ 438 cu.ft Premium Lite followed by 105 cu.ft Type III. Total slurry 1278 cu.ft. Circulated 10 bbls cement cement to surface.

CBL ran on 08/06/2020 showed cement to surface. Submitted CBL to NMOCD. Copy of the CBL attached with procedure

Spot inside plug w/ 12 sks Class G (13.8 cu.ft) @ 3193'-3293'
Plug II: Inside, Mesaverde, 3193'-3293'

Set Cement Retainer @ 4082'. Inside plug w/ 20 sks Class G
@ 3982'-4132' (23 cu.ft)
Plug I, Inside, Point Lookout, 3982'-4132'

Mesaverde Perforated @ 4132'-4444'

5 1/2" 15.5 # casing @ 4600'. PBTD @ 4551'

Formation Tops

Molly Pitcher SWD # 4

API; 30-045-30954

Sec 14 T30N R14W

2610' FNL & 425' FEL, Mesaverde

San Juan County, NM

Lat:36.8142433 Long:-108.2708817

Formation Tops

- Ojo Alamo: Surface
- Kirtland: 241
- Fruitland: 1351
- Pictured Cliffs: 1712
- Lewis: 1774
- Cliff House: 3243
- Menefee: 3379
- Point Lookout: 4301

Molly Pitcher SWD #4

30-045-30954

H-14-30N-14W

2610 FNL 425 FEL

Surface Reclamation Plan

Dugan Production Corp. plans to plug and abandon the Molly pitcher SWD #4 salt water disposal well. Currently on location there is an injection pump, 4x 500 bbl tanks, 3 below grade pits and a compressor located at the facility.

Dugan will continue to use the equipment to produce gas and transfer water to a nearby SWD well. Since the facility will continue to operate as is there is no reclamation needed when the well is plugged. Once the facility is no longer needed Dugan will reclaim the facility as directed in the wells APD.

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2700590

Attachment to notice of Intention to Abandon

Well: Molly Pitcher 4 SWD

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. The following modifications to your plugging program are to be made:
 - a. Add a plug to cover the Chacra formation top at 2715'.
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 11/8/2022

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
 - 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densometer/scales)
- 3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
 - 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.3 Surface plugs may be no less than 50' in length.
 - 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
 - 4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

(October 2012 Revision)

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 11/08/2022

Well No. Molly Pitcher SWD #004 (API# 30-045-30954)	Location	2610	FNL	&	425	FEL
Lease No. NMNM628	Sec. 14	T30N			R14W	
Operator Dugan Production Corp.	County	San Juan		State	New Mexico	
Total Depth 4600'	PBTD 4551'	Formation Mesaverde (Point Lookout)				
Elevation (GL)		Elevation (KB) 5967'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento					
Ojo Alamo Ss	Surface	241			Aquifer (possible freshwater)
Kirtland Shale	241	1351			Gas
Fruitland	1351	1712			Coal/Gas/Water
Pictured Cliffs Ss	1712	1774			Gas
Lewis Shale	1774	2715			
Chacra	2715	3243			Possible gas
Cliff House Ss	3243	3379			Possible gas
Menefee	3379	4301			Possible gas
Point Lookout Ss	4301	4508			Possible gas
Mancos Shale	4508	PBTD			Possible oil & gas
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- No well log available for subject well. Reference Well #1 used to check formation tops.
- Add a plug to cover the Chacra formation top at 2715'.
- Mesaverde (Point Lookout) perfs 4132' - 4444'.

Reference Well:

1) **Formation Tops**
Dugan Production Corp.
Pinon #001E
1790 FSL, 890 FWL
Sec. 13, T30N, R14W
5951' KB elev.

Prepared by: Chris Wenman

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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 157395

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 157395
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	11/10/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	11/10/2022