U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

06/03/2021

Well Name: CENTRAL BISTI UNIT

Well Location: T25N / R12W / SEC 5 / SWSE / 36.424606 / 108.13176

County or Parish/State: SAN JUAN / NM

Well Number: 57

Type of Well: INJECTION - ENHANCED RECOVERY

Allottee or Tribe Name: EASTERN NAVAJO

Lease Number: 1420603323

Unit or CA Name: CENTRAL BISTI UNIT

Unit or CA Number: NMNM78386X

US Well Number: 3004505528

Well Status: Water Injection Well

Operator: DJR OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Plug and Abandonment

Date Sundry Submitted: 02/17/2021

Time Sundry Submitted: 09:32

Date proposed operation will begin: 03/01/2021

Procedure Description: DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current & Proposed Wellbore Diagram and Reclamation Plan.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Current_WBD_CBU_57_20210217093150.pdf

Reclamation_Plan_CBU_57_20210217093150.pdf

PXA_Procedure_CBU_57_20210217093149.pdf

Proposed_WBD_CBU_57_20210217093149.pdf

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Well Status: Water Injection Well

Operator: DJR OPERATING LLC

Conditions of Approval

Specialist Review

General_Requirement_P_A_20210316140100.pdf

Additional Reviews

25N12W05OKg_Central_Bisti_Unit_WI_57_20210528104745.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SHAW-MARIE FORD

Signed on: FEB 17, 2021 09:31 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 Road 3263

City: Aztec **State:** NM

Phone: (505) 632-3476

Email address: sford@djrllc.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: DAVE J MANKIEWICZ

BLM POC Title: AFM-Minerals

BLM POC Phone: 5055647761

BLM POC Email Address: DMANKIEW@BLM.GOV

Disposition: Approved

Disposition Date: 06/03/2021

Signature: Dave Mankiewicz

NAVAJO NATION EPA REQUIRES 45 DAY NOTICE PRIOR TO PxA

Plug and Abandonment Procedure

for

DJR Operating, LLC

Central Bisti Unit WI-57

API # 30-045-05528

SW/SE, Unit O, Sec. 5, T25N, R12W

San Juan County, NM

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.

2. MOLRU. Check and record tubing, casing and bradenhead pressures.

3. Remove existing piping from casing valve, RU blow lines from casing valves and blow down casing pressure. Kill well as necessary. Ensure that well is dead or on a vacuum.

4. ND WH, NU BOP, function test BOP.

5. Unseat Arrowset 1 packer.

6. Trip out of hole with packer and 2 3/8" PVC-lined tubing. LD tubing to be sent in for storage/salvage. Check with Clinton to make sure there's no problem with scrap yard taking PVC coated tubing.

7. MIRU cement equipment.

8. Plug 1: PU workstring. TIH to 4800' and mix and spot a balanced plug of Class G cement from 4800-4603' to cover perfs and top of Gallup. TOOH. WOC 4 hours.

9. TIH with bit and scraper and tag TOC. Load hole with water. Drop standing valve. Pressure test tubing to 1000 psi. Pressure test casing to 600 psi. TOOH.

10. RIH with wireline and run GR/CCL/CBL from 4600' to surface. Electronic copy of CBL to be sent to: Brandon Powell, NMOCD Brandon.Powell@state.nm.us, Joe Killins, BLM jkillins@blm.gov, John Hoffman, BLM jhoffman@blm.gov, Loren Diede, DJR, ldiede@djrllc.com, and Scott Lindsay, DJR, slindsay@djrllc.com. P&A procedure may be modified as determined by the casing pressure test and the CBL log.

11. Plug 2: Mancos: TIH with workstring. RU cement equipment, pump water to assure that tubing is clear. Mix and spot a 100' balanced plug of Class G cement from 3784-3684'.

12. Plug 3: Mesaverde: PU bit and scraper, TIH and make sure scraper will go below 1936'. TOOH. RIH and perforate 4 holes at 1936'. PU and TIH with 5-1/2" CR and set at 1886'. Establish rate. Mix and pump sufficient Class G cement to bring TOC to 1836' behind pipe. Sting out of CR and spot plug on top to bring TOC inside to 1836'. Pump water to ensure that tubing is clear.

13. Plug 4: Chacra: PU bit and scraper, TIH and make sure scraper will go below 1506'. TOOH. RIH and perforate 4 holes at 1506'. PU and TIH with 5-1/2" CR and set at 1456'. Establish rate. Mix and pump sufficient Class G cement to bring TOC to 1406' behind pipe. Sting out of CR and spot plug on top to bring TOC to 1406' inside. Pump water to ensure that tubing is clear.

14. Plug 5: Pictured Cliffs, Fruitland: PU bit and scraper, TIH and make sure scraper will go below 1177'. TOOH. RIH and perforate 4 holes at 1177'. PU and TIH with 5-1/2" CR and set at 1127'. Establish rate. Mix and pump sufficient Class G cement to bring TOC to 938' behind pipe. Sting out of CR and spot plug on top to bring TOC to 938' inside. Pump water to ensure that tubing is clear.

15. Plug 6: Kirtland, Ojo Alamo, surface casing shoe, surface plug: PU bit and scraper, TIH and make sure scraper will go below 458'. TOOH. RIH and perforate 4 holes at 458'. Tie onto 5-1/2" casing. Establish rate. Mix and pump sufficient Class G cement to bring cement to surface inside and outside 5-1/2" casing.

16. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement as necessary. Install P&A marker as per regulatory requirements. Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report.

17. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.

18. Send all reports and attachments to DJR Aztec office for regulatory filings.

Note: All cement is to be Class G mixed at 15.8 ppg, yield 1.15 cu ft / sx. Cement volumes are based on inside capacities + 50' excess and outside capacities + 100% excess.

Current Wellbore Diagram

DJR Operating, LLC

Central Bisti Unit WI-57

API # 30-045-05528
SW/SE, Unit O, Sec 5, T25N, R12W
San Juan County, NM

GL: 6179'
KB: 6190'
Spud Date 7/29/1956

SURF CSG

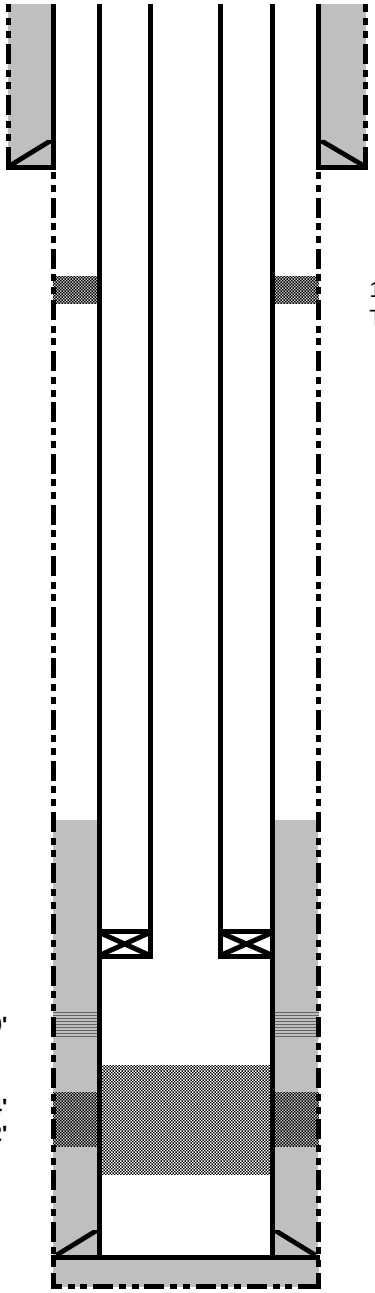
Hole size	12.25"
Csg Size:	8.625"
Wt:	24#
Grade:	J-55
ID:	8.097"
Depth	305'
Csg cap ft^3:	0.3576
TOC:	Surface

PROD CSG

Hole size	7.875"
Csg Size:	5.5"
Wt:	15.5#
Grade:	J-55
ID:	4.95"
Depth	5060'
Csg cap ft^3:	0.1336
Csg/Csg Ann ft^3:	0.1926
Csg/OH cap ft^3:	0.1733
TOC:	3410' (TS)

FORMATION TOPS

Nacimiento	**Surface**
Ojo Alamo	**N/A**
Kirtland	**408'**
Fruitland	**988'**
Pictured Cliffs	**1127'**
Chacra	**1456'**
Mesa Verde	**1886'**
Mancos	**3734'**
Gallup	**4653'**



1982: Perfs squeezed 1082-98' and 1172-74'
Tight spot from 1100-1170'

TOC 3410' (TS)

1996: 2-3/8"x5-1/2" plastic coated Arrowset 1 pkr, 117 jts. 2-3/8" PVC lined tbg, 2-3/8"x5-1/2" cup packer, 33 jts. PVC lined tbg. Packer set at 4723'. Cup packer at 1044'

Perfs 4780-4800'

PBTD 4825'

Squeezed Perfs 4846-4854'
Squeezed Perfs 4861-4872'

TD 5060'

Proposed Wellbore Diagram

DJR Operating, LLC

Central Bisti Unit WI-57

API # 30-045-05528
SW/SE, Unit O, Sec 5, T25N, R12W
San Juan County, NM

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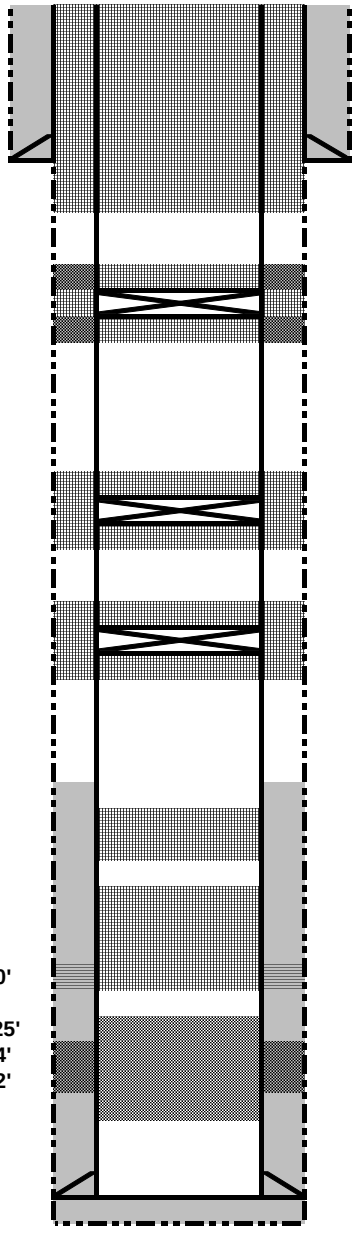

Perfs 4780-4800'

PBTD 4825'
Squeezed Perfs 4846-4854'
Squeezed Perfs 4861-4872'

TD 5060'

Plug 6: Perf 4 holes at 458'. Tie onto 5-1/2" casing. Mix and pump sufficient cement to bring cement to surface, inside and outside 5-1/2" casing, to cover tops of Kirtland, Ojo Alamo, surface casing shoe, and surface plug inside and outside.

Plug 5: Perf 4 holes at 1177'. Set CR at 1127'. Sqz below CR to bring cement to 938' behind pipe. Spot cement on top of CR to bring TOC to 938', to cover tops of Pictured Cliffs and Fruitland, inside and outside.

Plug 4: Perf 4 holes at 1506'. Set CR at 1456'. Sqz below CR to bring cement to 1406' behind pipe. Spot cement on top of CR to bring TOC to 1406' to cover top of Chacra, inside and outside.

Plug 3: Perf 4 holes at 1936'. Set CR at 1886'. Sqz below CR to bring cement to 1836' behind pipe. Spot cement on top of CR to bring TOC to 1836' to cover top of Mesa Verde, inside and outside.

Plug 2: Spot balanced plug from 3784' to 3684' to cover across top of Mancos.

Plug 1: Spot balanced plug from 4800' to 4603' to cover across top of perfs and Gallup.

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 H_2S.

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.

BLM FLUID MINERALS
Geologic Report

Date Completed: 5/25/21

Well No. Central Bisti Unit WI 57 INJ (API# 30-045-05528)			Location	660	FSL &	1980	FEL
Lease No. 14-20-603-323			Sec. 05	T25N		R12W	
Operator DJR Operating, LLC			County	San Juan	State	New Mexico	
Total Depth 5060'	PBTD 4825'		Formation Gallup (Mancos)				
Elevation (GL) 6179'			Elevation (KB) 6190'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/Fresh water sands
Nacimiento Fm		100	Surface		Fresh water sands
Ojo Alamo Ss	100	210			Aquifer (fresh water)
Kirtland Shale	210			988	
Fruitland Fm			988	1127	Coal/Gas/Possible water
Pictured Cliffs Ss			1127	1305	Gas
Lewis Shale			1305	1470	
Chacra			1470	1886	
Cliff House Ss			1886	1974	Water/Possible gas
Menefee Fm			1974	3604	Coal/Ss/Water/Possible O&G
Point Lookout Ss			3604	3769	Probable water/Possible O&G
Mancos Shale			3769	4679	
Gallup			4679	PBTD	O&G/Water
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:
P & A

- BLM formation top picks for the Gallup, Mancos, Chacra, Kirtland, and Ojo Alamo formations vary from operator picks.
- Please adjust Plug #2 to cover BLM pick for the Mancos formation top @ 3769'.
- Please adjust Plug #3 to cover BLM pick for the Chacra formation top @ 1470'.
- Log analysis of reference well #2 indicates the Nacimiento and Ojo Alamo sands investigated likely contain fresh water (≤5,000 ppm TDS). P&A procedure contains adequate plugs to protect any fresh water sands in this well bore.
- Gallup perforations @ 4780' - 4800'. Squeezed perforations 4846' – 4872' below PBTD when well was converted to injection for waterflood in Gallup.
- Fruitland coal perforations @ 1082' – 1098' and squeeze hole perfs from 1172' – 1174' (squeezed in 1985 before conversion to water injection well).

Reference Well:
1) **Formation Tops**
Same

2) **Water Analysis**
Giant E & P Co.
Carson Unit #23
1980' FSL, 1980' FEL
Sec. 19, T25N, R11W
GL 6438' KB 6447'

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

COMMENTS

Action 30546

COMMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 30546
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 6/8/2021	6/8/2021

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	Action Number: 30546
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	6/8/2021
kpickford	CBL required.	6/8/2021