

<b>Well Name:</b> CLARK	<b>Well Location:</b> T24N / R3W / SEC 6 / SWNE /	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 8	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM03011	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300392268000S1	<b>Well Status:</b> Producing Oil Well	<b>Operator:</b> SAN JUAN RESOURCES INCORPORATED

**Notice of Intent**

**Type of Submission:** Notice of Intent

**Type of Action** Plug and Abandonment

**Date Sundry Submitted:** 05/04/2021

**Time Sundry Submitted:** 09:49

**Date proposed operation will begin:** 05/07/2021

**Procedure Description:** no reclamation plan attached as surface is fee

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

SJR\_\_Clark\_8\_P\_A\_Procedure\_\_revised\_20210504094849.pdf

SJR\_\_Clark\_8\_WBD\_PA\_20210504094841.pdf

<b>Well Name:</b> CLARK	<b>Well Location:</b> T24N / R3W / SEC 6 / SWNE /	<b>County or Parish/State:</b> RIO ARriba / NM
<b>Well Number:</b> 8	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM03011	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300392268000S1	<b>Well Status:</b> Producing Oil Well	<b>Operator:</b> SAN JUAN RESOURCES INCORPORATED

Conditions of Approval

Specialist Review

Clark\_\_20210511122527  
General\_Requirement\_P\_A\_20210511122441.pdf

Additional Reviews

24N03W06GKd\_Clark\_008\_20210511122840.pdf

Authorized Officer

PA\_COA\_notifications\_20210511134836.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.*

<b>Operator Electronic Signature:</b> VANESSA FIELDS	<b>Signed on:</b> MAY 04, 2021 09:41 AM
<b>Name:</b> SAN JUAN RESOURCES INCORPORATED	
<b>Title:</b> Regulatory Manager	
<b>Street Address:</b> 7415 EAST MAIN STREET	
<b>City:</b> FARMINGTON	<b>State:</b> NM
<b>Phone:</b> (505) 327-4892	
<b>Email address:</b> VANESSA@WALSHENG.NET	

Field Representative

<b>Representative Name:</b> VANESSA FIELDS		
<b>Street Address:</b> 7415 EAST MAIN STREET		
<b>City:</b> FARMINGTON	<b>State:</b> NM	<b>Zip:</b> 87402
<b>Phone:</b> (505)787-9100		
<b>Email address:</b> vanessa@walsheng.net		

BLM Point of Contact

## P&A Procedure

### San Juan Resources – Clark #8

Lindrith Gallup Dakota

1995' FNL & 630' FWL, Section 6, T24N, R3W

Rio Arriba County, New Mexico, API #30-039-22680

#### Plug & Abandonment Procedure:

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**Note:** All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft<sup>3</sup>/sk or equivalent. Cement calculation based on 4.5" 10.5# casing. If casing pressure tests tagging plugs will not be required. Procedure designed from calculated TOC of 2298'. NO CBL available in well file.

#### Prior to Mobilization

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft<sup>3</sup>/sk.
3. Comply with all COA's from BLM and NMOCD

#### P&A Procedure

1. MIRU PU and cement equipment
2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
3. POOH rods/pump and 2 3/8" production string set at ~7635'. Unknown if packer set.
4. TIH with work string and set CICR @ 7539'.
5. Pressure test tubing to 1000 psi,
6. **Plug #1, 7389' – 7539' (Dakota Top 7885', Perfs: 7564-7770')**: Mix & pump 12 sxs (13.8 ft<sup>3</sup>) of Class G neat cement (or equivalent) on top of CICR. PU 100' above TOC and reverse circulate tubing clean. Tag plug if necessary.
7. TOOH standing back 2 3/8" work string. PU 4 1/2" 11.6# CICR and set @ 6649'
8. **Plug #2, 6499' – 6649' (Gallup Top 6623')**: Mix & pump 12 sxs (13.8 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
9. Roll hole close BOP rams, attempt to pressure test casing to 500 psi.
10. MIRU WL unit and run CBL from 6449' to surface.
11. **Plug #3, 5730 – 4912' (Mancos Top 5680', Cliff House Top 5012')** Mix & pump 64 sxs (73.6 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
12. TOOH and LD tubing to 4270'.

13. **\*If required - Plug #4, 4120' – 4270' (Chacra Top 4220')** Mix & pump 12 sxs (13.8 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
14. TOOH and LD tubing to 3387'
15. **Plug #5, 2746' – 3387' (Pictured Cliffs Top 3337', Ojo Alamo Top 2846')** Mix & pump 50 sxs (57.5 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
16. **Plug #6, Surface – 250'.** If required, perforate w/ 3 spf at 250' and attempt to circulate out bradenhead and bull head cement down casing and fill up as necessary, otherwise fill casing w/ 20 sx (23 cf) of Class "G" cement and top off as necessary. Note: Circulated cement to surface (2 bbls) on primary cement job.
17. TOH w/ remaining tubing. ND BOP and install casing flange on top of well as per land owner instructions. RD & MOL.

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John Thompson  
Engineer



## San Juan Resources - Clark #8

## Proposed P&amp;A WBD

Lindrith Gallup Dakota

1995' FNL &amp; 630' FWL, Section 6, T24N, R3W, Rio Arriba County, NM

API: 30-039-22680

Today's Date: 6/18/2020

Spud: 4/1981

Completed: 7/30/1984

Elevation: 7096' GL

Ojo Alamo @ 2846'

Kirtland @ 2981'

Fruitland @ 3105'

Pictured Cliffs @ 3337'

Lewis @ 3475'

Chacra @ 4220'

Cliff House @ 5012'

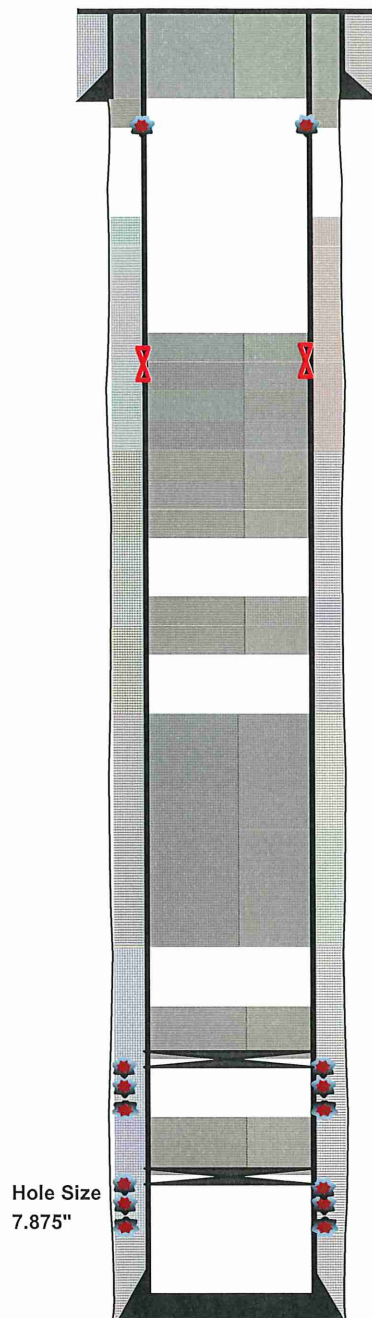
Menefee @ 5033'

Pt. Lookout @ 5538

Mancos @ 5680'

Gallup @ 6623'

Dakota @ 7558'



PBDT: 7881'

TD: 7881'

Surface Casing

Hole Size: 12 1/4"

8 5/8", 24#, Casing set @ 238'

Cement w/ 150 sk. Circ 2 bbls to surf

Plug #6: Surface - 250'Class G neat 20 sks (23 ft<sup>3</sup>)

Calculated TOC 2298'

DV Tool at 3472'

Production Tubing

2 3/8" 4.7# tubing set @ 7635' SN @ 7602'

Plug #5: 2746' - 3387'Class G neat 50 sks (57.5 ft<sup>3</sup>)Plug #4: 4120' - 4270'Class G neat 12 sks (13.8 ft<sup>3</sup>)Plug #3: 4912' - 5730'Class G neat 64 sks (73.6 ft<sup>3</sup>)Plug #2: 6499' - 6649'

CICR set @ 6649'

Class G neat 12 sks (13.8 ft<sup>3</sup>)Plug #1: 7389' - 7539'

CICR set @ 7539'

Class G neat 12 sks (13.8 ft<sup>3</sup>)Gallup Perforations

6674-80, 6690-6712, 6720-23, 6732-40, 6794-6806, 6818-26, 6830-40

Dakota Perforations

7564-78, 7586-7604, 7636-40, 7720-30, 7732-42, 7754-70

Production Casing

Hole Size: 6 3/4"

4-1/2", 10.5# &amp; 11.6#, casing set @ 7881'

Cement (2-stage) 1st - 550 sks - 2nd - 200 sks DV tool @ 3472'

## San Juan Resources - Clark #8

**Current** P&A WBD

Lindrith Gallup Dakota

1995' FNL &amp; 630' FWL, Section 6, T24N, R3W, Rio Arriba County, NM

API: 30-039-22680

Today's Date: 6/18/2020

Spud: 4/1981

Completed: 7/30/1984

Elevation: 7096' GL

Ojo Alamo @ 2846'

Kirtland @ 2961'

Fruitland @ 3105'

Pictured Cliffs @ 3337'

Lewis @ 3475'

Chacra @ 4220'

Cliff House @ 5012'

Menefee @ 5033'

Pt. Lookout @ 5538

Mancos @ 5680'

Gallup @ 6623'

Dakota @ 7558'

Hole Size  
7.875"

PBTD: 7881'

TD: 7881'

Surface Casing

Hole Size: 12 1/4"

8 5/8", 24#, Casing set @ 238'

Cement w/ 150 sk. Circ 2 bbls to surf

Calculated TOC 2298'

DV Tool at 3472'

Production Tubing

2 3/8" 4.7# tubing set @ 7635' SN @ 7602'

Gallup Perforations

6674-80, 6690-6712, 6720-23, 6732-40, 6794-6806, 6818-26, 6830-40

Dakota Perforations

7564-78, 7586-7604, 7636-40, 7720-30, 7732-42, 7754-70

Production Casing

Hole Size: 6 3/4"

4-1/2", 10.5# &amp; 11.6#, casing set @ 7881'

Cement (2-stage) 1st - 550 sks - 2nd - 200 sks DV tool @ 3472'

<b>Well Name:</b> CLARK	<b>Well Location:</b> T24N / R3W / SEC 6 / SWNE /	<b>County or Parish/State:</b> RIO ARRIBA / NM
<b>Well Number:</b> 8	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM03011	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300392268000S1	<b>Well Status:</b> Producing Oil Well	<b>Operator:</b> SAN JUAN RESOURCES INCORPORATED

**Notice of Intent**

<b>Type of Submission:</b> Notice of Intent	<b>Type of Action</b> Plug and Abandonment
<b>Date Sundry Submitted:</b> 05/04/2021	<b>Time Sundry Submitted:</b> 09:49
<b>Date proposed operation will begin:</b> 05/07/2021	
<b>Procedure Description:</b> no reclamation plan attached as surface is fee	

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

SJR\_\_Clark\_8\_P\_A\_Procedure\_\_revised\_20210504094849.pdf  
SJR\_\_Clark\_8\_WBD\_PA\_20210504094841.pdf

<b>Well Name:</b> CLARK	<b>Well Location:</b> T24N / R3W / SEC 6 / SWNE /	<b>County or Parish/State:</b> RIO ARriba / NM
<b>Well Number:</b> 8	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM03011	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300392268000S1	<b>Well Status:</b> Producing Oil Well	<b>Operator:</b> SAN JUAN RESOURCES INCORPORATED

Conditions of Approval

Specialist Review

Clark\_\_20210511122527  
General\_Requirement\_P\_A\_20210511122441.pdf

Additional Reviews

24N03W06GKd\_Clark\_008\_20210511122840.pdf

Authorized Officer

PA\_COA\_notifications\_20210511134836.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.*

<b>Operator Electronic Signature:</b> VANESSA FIELDS	<b>Signed on:</b> MAY 04, 2021 09:41 AM
<b>Name:</b> SAN JUAN RESOURCES INCORPORATED	
<b>Title:</b> Regulatory Manager	
<b>Street Address:</b> 7415 EAST MAIN STREET	
<b>City:</b> FARMINGTON	<b>State:</b> NM
<b>Phone:</b> (505) 327-4892	
<b>Email address:</b> VANESSA@WALSHENG.NET	

Field Representative

<b>Representative Name:</b> VANESSA FIELDS		
<b>Street Address:</b> 7415 EAST MAIN STREET		
<b>City:</b> FARMINGTON	<b>State:</b> NM	<b>Zip:</b> 87402
<b>Phone:</b> (505)787-9100		
<b>Email address:</b> vanessa@walsheng.net		

BLM Point of Contact



## P&A Procedure

### San Juan Resources – Clark #8

Lindrith Gallup Dakota

1995' FNL & 630' FWL, Section 6, T24N, R3W

Rio Arriba County, New Mexico, API #30-039-22680

#### Plug & Abandonment Procedure:

**Note:** All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft<sup>3</sup>/sk or equivalent. Cement calculation based on 4.5" 10.5# casing. If casing pressure tests tagging plugs will not be required. Procedure designed from calculated TOC of 2298'. NO CBL available in well file.

#### Prior to Mobilization

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft<sup>3</sup>/sk.
3. Comply with all COA's from BLM and NMOCD

#### P&A Procedure

1. MIRU PU and cement equipment
2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
3. POOH rods/pump and 2 3/8" production string set at ~7635'. Unknown if packer set.
4. TIH with work string and set CICR @ 7539'.
5. Pressure test tubing to 1000 psi,
6. **Plug #1, 7389' – 7539' (Dakota Top 7885', Perfs: 7564-7770')**: Mix & pump 12 sxs (13.8 ft<sup>3</sup>) of Class G neat cement (or equivalent) on top of CICR. PU 100' above TOC and reverse circulate tubing clean. Tag plug if necessary.
7. TOOH standing back 2 3/8" work string. PU 4 1/2" 11.6# CICR and set @ 6649'
8. **Plug #2, 6499' – 6649' (Gallup Top 6623')**: Mix & pump 12 sxs (13.8 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
9. Roll hole close BOP rams, attempt to pressure test casing to 500 psi.
10. MIRU WL unit and run CBL from 6449' to surface.
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12. TOOH and LD tubing to 4270'.

13. **\*If required - Plug #4, 4120' – 4270' (Chacra Top 4220')** Mix & pump 12 sxs (13.8 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
14. TOOH and LD tubing to 3387'
15. **Plug #5, 2746' – 3387' (Pictured Cliffs Top 3337', Ojo Alamo Top 2846')** Mix & pump 50 sxs (57.5 ft<sup>3</sup>) of Class G neat cement (or equivalent) in balanced plug. PUH 100' above TOC and reverse circulate tubing clean. Tag plug if required.
16. **Plug #6, Surface – 250'.** If required, perforate w/ 3 spf at 250' and attempt to circulate out bradenhead and bull head cement down casing and fill up as necessary, otherwise fill casing w/ 20 sx (23 cf) of Class "G" cement and top off as necessary. Note: Circulated cement to surface (2 bbls) on primary cement job.
17. TOH w/ remaining tubing. ND BOP and install casing flange on top of well as per land owner instructions. RD & MOL.

---

John Thompson  
Engineer

## San Juan Resources - Clark #8

## Proposed P&amp;A WBD

Lindrith Gallup Dakota

1995' FNL &amp; 630' FWL, Section 6, T24N, R3W, Rio Arriba County, NM

API: 30-039-22680

Today's Date: 6/18/2020

Spud: 4/1981

Completed: 7/30/1984

Elevation: 7096' GL

Ojo Alamo @ 2846'

Kirtland @ 2981'

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Lewis @ 3475'

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Cliff House @ 5012'

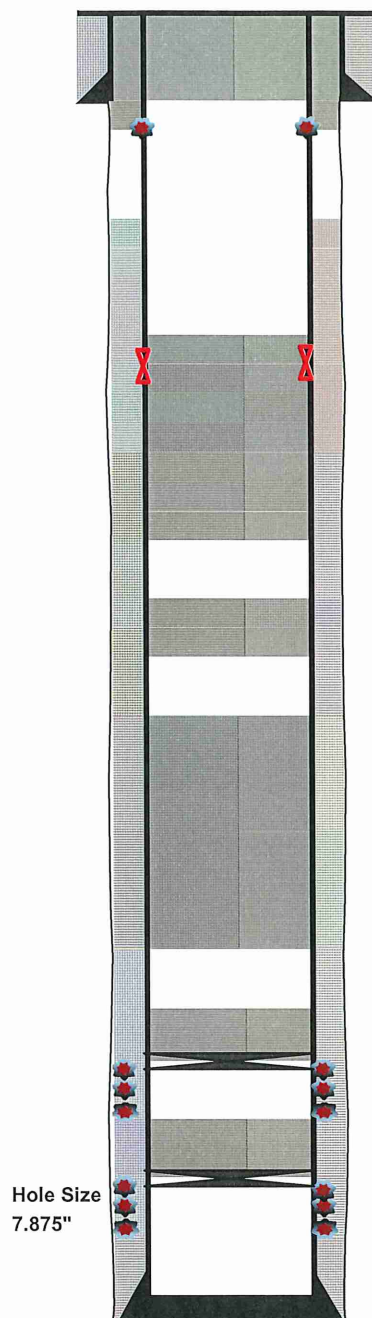
Menefee @ 5033'

Pt. Lookout @ 5538

Mancos @ 5680'

Gallup @ 6623'

Dakota @ 7558'

Hole Size  
7.875"

PBDT: 7881'

TD: 7881'

Surface Casing

Hole Size: 12 1/4"

8 5/8", 24#, Casing set @ 238'

Cement w/ 150 sk. Circ 2 bbls to surf

Plug #6: Surface - 250'Class G neat 20 sks (23 ft<sup>3</sup>)

Calculated TOC 2298'

DV Tool at 3472'

Production Tubing

2 3/8" 4.7# tubing set @ 7635' SN @ 7602'

Plug #5: 2746' - 3387'Class G neat 50 sks (57.5 ft<sup>3</sup>)Plug #4: 4120' - 4270'Class G neat 12 sks (13.8 ft<sup>3</sup>)Plug #3: 4912' - 5730'Class G neat 64 sks (73.6 ft<sup>3</sup>)Plug #2: 6499' - 6649'

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Class G neat 12 sks (13.8 ft<sup>3</sup>)Plug #1: 7389' - 7539'

CICR set @ 7539'

Class G neat 12 sks (13.8 ft<sup>3</sup>)Gallup Perforations

6674-80, 6690-6712, 6720-23, 6732-40, 6794-6806, 6818-26, 6830-40

Dakota Perforations

7564-78, 7586-7604, 7636-40, 7720-30, 7732-42, 7754-70

Production Casing

Hole Size: 6 3/4"

4-1/2", 10.5# &amp; 11.6#, casing set @ 7881'

Cement (2-stage) 1st - 550 sks - 2nd - 200 sks DV tool @ 3472'

**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<sub>2</sub>S.

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 Geologic Report

Date Completed: 12/11/2020

Well No. Clark #8 (API# 30-039-22680)	Location	1995	FNL	&	630	FWL
Lease No. NMNM03011	Sec. 06	T24N			R03W	
Operator San Juan Resources, Inc.	County	Rio Arriba		State	New Mexico	
Total Depth 7881	PBTD 7881	Formation Dakota				
Elevation (GL) 7096	Elevation (KB)					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	1540	Surface/Fresh water sands
Nacimiento Fm			1540	2850	Fresh water sands
Ojo Alamo Ss			2850	2981	Aquifer (fresh water)
Kirtland Shale			2981	3105	
Fruitland Fm			3105	3335	Coal/Gas/Possible water
Pictured Cliffs Ss			3335	3410	Gas
Lewis Shale			3410	4220	
Chacra			4220	5012	
Cliff House Ss			5012	5033	Water/Possible gas
Menefee Fm			5033	5538	Coal/Ss/Water/Possible O&G
Point Lookout Ss			5538	5685	Probable water/Possible O&G
Mancos Shale			5685	6623	
Gallup			6623	7479	O&G/Water
Greenhorn			7479	7538	
Graneros Shale			7538	7558	
Dakota Ss			7558	PBTD	O&G/Water
Morrison					

## Remarks:

P & A

- BLM geologist's picks for the top of the Lewis Shale formation varies from operator picks.
- Log analysis of reference well #2 indicates the San Jose, Nacimiento and Ojo Alamo sands investigated likely contain fresh water to usable water ( $\leq 10,000$  ppm TDS).
- Please add a plug to cover the Nacimiento formation top @ 1540'.
- Dakota perforations @ 7770'-7564'.
- Gallup perforations @ 6840'-6674'.

## Reference Well:

1) Same

Fm. Tops

2) CP Co.

NE Haynes #5

1606' FNL, 928' FWL

Sec. 22, T24N, R05W

GL 6692' KB 6706'

Water

Analysis

Prepared by: Chris Wenman

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

Attachment to Notice of Intention to Abandon:

**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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

**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 27846

**COMMENTS**

Operator:	SAN JUAN RESOURCES, INC. 1499 Blake St, #10C Denver, CO80202			OGRID:	20208	Action Number:	27846	Action Type:	C-103F
Created By	Comment					Comment Date			
kpickford	KP GEO Review 5/14/2021					05/14/2021			

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CONDITIONS  
  
Action 27846

**CONDITIONS OF APPROVAL**

Operator: SAN JUAN RESOURCES, INC. 1499 Blake St, #10C Denver, CO80202			OGRID: 20208	Action Number: 27846	Action Type: C-103F
OCD Reviewer	Condition				
kpickford	Add Nacimiento plug noted in BLM COAs				
kpickford	Notify NMOCD 24 Hours Prior to beginning operations				