

Well Name: SERENDIPITY COM	Well Location: T26N / R13W / SEC 26 / NWSE / 36.45644 / -108.18668	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM33031	Unit or CA Name: E2, FRCL	Unit or CA Number: NMNM91285
US Well Number: 300452567900S2	Well Status: Inactive	Operator: MUSTANG RESOURCES LLC

Notice of Intent

Sundry ID: 2642618

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 11/03/2021

Time Sundry Submitted: 08:02

Date proposed operation will begin: 12/09/2021

Procedure Description: Mustang requests approval to Plug & Abandon the Serendipity Com 1. Attached are a current wellbore diagram, proposed P&A procedure, cement calculations, and post-P&A wellbore diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Serendipity_Com_1_Post_P_A_WBD_20211103080156.pdf

Serendipity_Com_1_Cement_Calcualtions_20211103080147.pdf

Serendipity_Com_1_P_A_Procedure_20211103080136.pdf

Serendipity_Com_1_Current_WBD_20211103080122.pdf

Well Name: SERENDIPITY COM

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County or Parish/State: SAN JUAN / NM

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Unit or CA Name: E2, FRCL

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Well Status: Inactive

Operator: MUSTANG RESOURCES LLC

Conditions of Approval

Additional Reviews

2642618_NOIA_Serendipity_Com_1_3004525679_KR_12092021_20211209143104.pdf

General_Requirement_PxA_20211209143049.pdf

26N13W26JKg_Serendipity_Com_1_20211209131919.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: DEB LEMON

Signed on: NOV 03, 2021 08:14 AM

Name: MUSTANG RESOURCES LLC

Title: RegulatoryManager

Street Address: 1660 Lincoln St., Ste 1450

City: Denver

State: CO

Phone: (720) 550-7507

Email address: dlemon@mustangresourcesllc.com

Field Representative

Representative Name: Don Johnson

Street Address: 1220 S. Main Avenue

City: Aztec

State: NM

Zip: 87410

Phone: (505)334-9111

Email address: djohnson@mustangresourcesllc.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: 12/09/2021

Signature: Kenneth Rennick

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 12/9/2021

Well No. Serendipity Com #1 (API# 30-045-25679)	Location	1650	FSL	&	2310	FEL
Lease No. NMNM-33031	Sec. 26	T26N			R13W	
Operator Mustang Resources, LLC	County	San Juan		State	New Mexico	
Total Depth 5120'	PBTD 4800'	Formation Fruitland coal (previously Gallup)				
Elevation (GL) 6205'		Elevation (KB) 6218'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm			Surface	100	Surface/freshwater sands
Ojo Alamo Ss			100	204	Aquifer (freshwater)
Kirtland Shale			204	800	
Fruitland Fm			800	1291	Coal/Gas/Possible water
Pictured Cliffs Ss			1291	1446	Possible gas
Lewis Shale			1446	1618	
Chacra			1618	2030	
Cliff House Ss			2030	2131	Water/Possible gas
Menefee Fm			2131	3758	Coal/Ss/Water/Possible O&G
Point Lookout Ss			3758	3909	Probable water/Possible O&G
Mancos Shale			3909	PBTD	
Gallup					O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:

P & A

- BLM picks for the top of the Cliff House and Chacra formations vary from Operator picks.
- Operator previously set CIBP at 4901' and spotted cement plug 4900' – 4800' when well was plugged back to the Fruitland in 1992.
- Add a plug to cover the Cliff House at 2030'.
- Bring the top of Plug #2 (Pictured Cliffs) up to 1241'.
- The plugs proposed in the P&A procedure, with changes as recommended above, will adequately protect any freshwater sands in this well bore.
- Fruitland perms 1242' – 1260'.

Reference Well:

1) **Formation Tops**
Same

Prepared by: Chris Wenman



Serendipity Com 1

Location: Surface: 1650' FSL, 2310' FEL,
Sec 26, T26N, R13W, San Juan
County, New Mexico

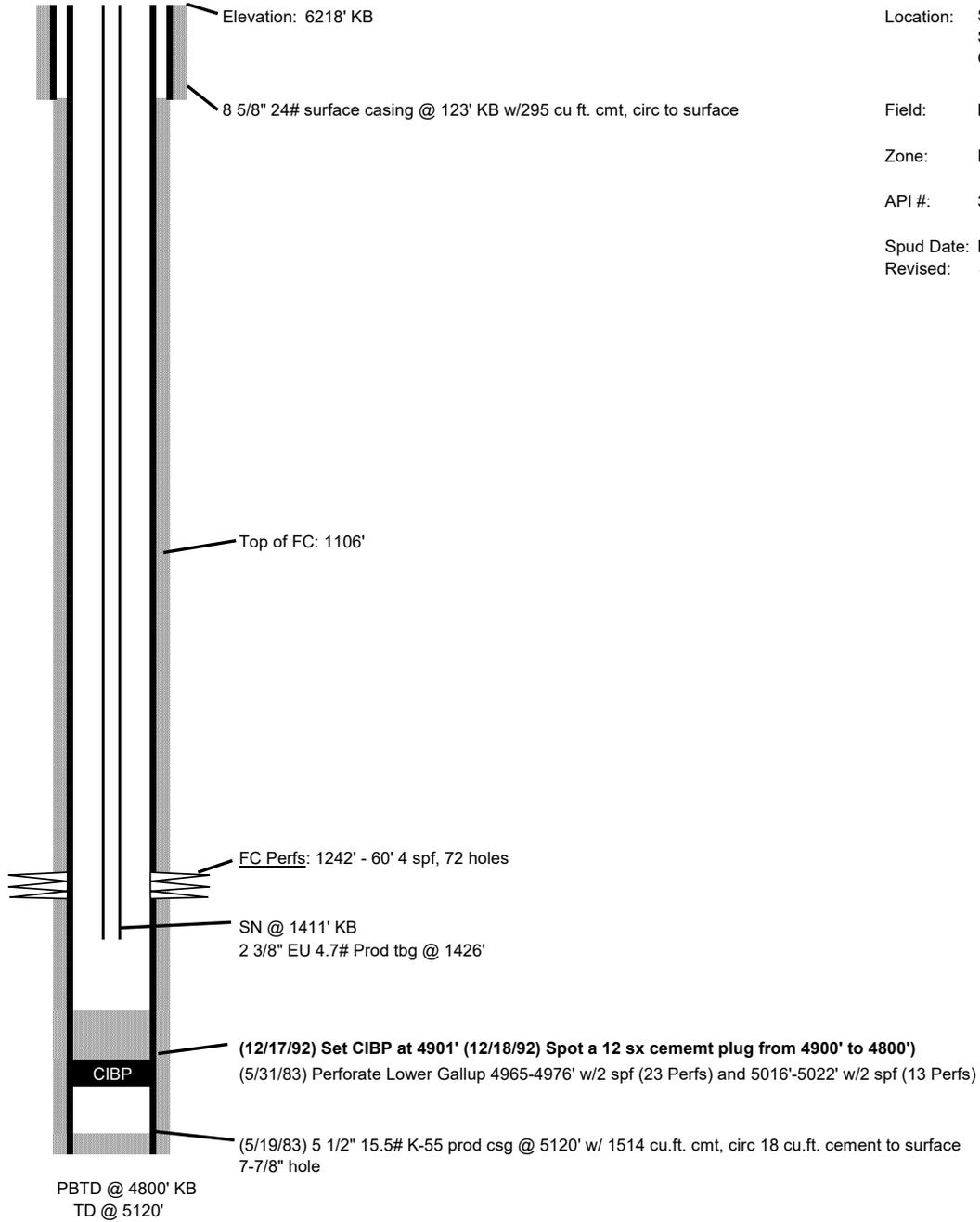
Field: Basin FC

Zone: Fruitland Coal

API #: 30-045-25679

Spud Date: May 13, 1983

Revised: 8/22/11



5/18/04 Rod pump:
 2" x 1 1/4" x 9' x 11' RHAC pump
 28 ea 5/8" rods
 27 x 3/4" rods
 2 ea 6' pony rods
 1 ea 2' pony rods

OriginalSketch

ljt

Company Na Mustang Resources LLC
 Well Name: Serendipity Com 1
 API Number: 30-045-25679
 Location: 1650' FSL, 2310' FEL, Sec 26, T26N, R13W
 County: San Juan, NM

Note: Follow all BLM/NMOC rules and Regulations.

5-1/2", 15.5# Capacity	0.1336 ft3/ft	2-3/8", 4.7# Capacity	0.0217 ft3/ft
	0.0238 bbl/ft		0.0039 bbl/ft
ID	4.950 Inches		1.995 Inches

Step Description

- Note:** Well was plugged back from the Gallup formation in 1992 with a CIBP with cement on top at 4800'. The well was recompleted in 1992 in the Fruitland Coal formation.
- Proposed P&A Procedure**
- 1 Back drag & clean location for crew & rig safety. Test anchors if needed, arrange for H2O on site
 - 2 Prior to rig, verify wellhead connections for any flanges and BOPE.
 - 3 **Notify NMOC/BLM 48 hours before commencing P&A operations**
 - 4 MIRU well service rig and associated P&A equipment
 - 5 Bleed pressure from well to tank (well has very little pressure if any)
 - 6 Pull Rods laying down
 - 7 ND WH & NU BOP
 - 8 Pull 2-3/8" Tubing (lay down any bad joints)
 - 9 Ensure there is enough 2-3/8" workstring to complete job
 - 10 TIH with 5.5" 15.5# casing scraper to 4800' w/2-3/8" tubing (use new workstring as needed)
 - 11 Pump down tubing and fill hole with water if possible (most likely will not circulate)
 - 12 TOH with 5.5" casing scraper
 - 13 **NOTE:** No CBL required-Cement on record was cemented to surface behind 5-1/2 csg (5-19-92)
 - 14 TIH 2-3/8" tubing to 3959', load hole w/water, most likely well won't circulate (FC will take water)
- Plug 1: Mancos Shale Top @ 3909', with 2 3/8" tbg @ 3959', establish circulation and place balanced plug mixing 11.6 sx (13.36 cf) cement plus 50% excess, TOH with 2 3/8" tbg to 3500' and pump 2 bbls down tbg & csg to ensure clean. (well won't circulate)**
- 15
 - 16 Wait minimum of 4 hours and tag top of cement (Must be no deeper than 3859')
 - 17 If good tag, TOH with tubing to 1668'
- Plug 2: Mesa Verde Top 1618', Lewi Shale Top 1446', and Pictured Cliffs Top 1291', with 2 3/8" tbg @ 1668', establish circulation if possible, place balanced plug 47.4 sx (54.5 cf) cement plus 0% excess, TOH to 1260' and pump 5 bbls down tbg. Can't circulate with FC perfs open and Don't want cement at CIBP set point (1195').**
- 18
 - 19 Wait minimum of 4 hours and tag top of cement (Must be no deeper than 1291')
 - 20 If good tag, TOH with tubing
 - 21 TIH with CIBP w/2-3/8" tubing and Set @1195' KB
 - 22 Release from CIBP and pull up hole to 1190' and circulate casing full with fresh water
 - 23 Close Pipe Rams
 - 24 Pressure test casing to 560# to determine integrity
 - 25 If casing tests good proceed, if not determine where casing is leaking off
- Plug 3: Cement plug on CIBP at 1195' KB. With tbg @ 1190' KB, establish circulation and place balanced plug 5.80 sxs (6.68 ft3) cement plus 50% excess, TOH to 850', reverse circulate hole clean**
- 26
 - 27 With Tubing at 850' establish circulation
- Plug 4: Fruitland Coal top @ 800' KB. With tbg @ 850' KB, establish circulation and place balanced plug 11.62 sxs (13.36 ft3) cement plus 50% excess, TOH to 254', reverse circulate hole clean**
- 28
 - 29 With Tubing at 254' establish circulation
- Plug 5: Kirtland Shale top @ 204' KB. With tbg @ 254' KB, establish circulation and place balanced plug 29.5 sxs (33.93 ft3) cement and continue until good cement to surface, TOH and LD tubing and top off casing with cement.**
- 30
 - 31 ND BOP and cut off casing and install P&A marker to comply with regulations
 - 32 RD and move off location



Serendipity Com 1 Proposed P&A

Formation
Tops
Ojo Alamo
Surface

Elevation: 6218' KB

Location: Surface: 1650' FSL, 2310' FEL,
Sec 26, T26N, R13W, San Juan
County, New Mexico

Kirtland Shale
204'

8 5/8" 24# K-55 surface casing @ 213' KB w/295 ft3 cmt, circ 22 ft3 to surface (5/13/83)
Plug 5: Kirtland Shale top @ 204' KB. With tbg @ 254' KB, establish circulation and place balanced plug 29.5 sxs (33.93 ft3) cement and continue until good cement to surface, TOH tubing and top off casing with cement.

Field #: Basin FC
Zone: Fruitland Coal
API #: 30-045-25679

Spud Date: May 13, 1983
Revised: 8/22/11

Fruitland Coal
800'

Plug 4: Fruitland Coal top @ 800' KB. With tbg @ 850' KB, establish circulation and place balanced plug 11.62 sxs (13.36 ft3) cement plus 50% excess, TOH to 254', reverse circulate hole clean

Plug 3: Cement cap on CIBP at 1195' KB. With tbg @ 1190' KB, establish circulation and place balanced plug 5.80 sxs (6.68 ft3) cement plus 50% excess, TOH to 850', reverse circulate hole clean

CIBP

Proposed-Set CIBP @ 1195'

FC Perfs: 1242' - 60' 4 spf, 72 holes

Pictured Cliffs
1291'

Plug 2: Mesa Verde Top 1618', Lewi Shale Top 1446', and Pictured Cliffs Top 1291', w/ 2 3/8" tbg @ 1668', pump 5 bbls water, place balanced plug 48.7 sx (55.48 cf) cement plus 0% excess, TOH to 1200', pump 2 bbls down tbg & csg. Can't circulate and Don't want cement at CIBP set point.

Lewis Shale
1446'

Mesaverde
1618'

Plug 1: Mancos Shale Top @ 3909', with 2 3/8" tbg @ 3959', won't be able to circulate hole so place balanced plug mixing 11.6 sx (13.36 cf) cement plus 50% excess, TOH with 2 3/8" tbg to 3750' and pump 2 bbls water down tubing and casing.

Mancos Shale
3909'

Gallup
4862'

CIBP

(12/17/92) Set CIBP at 4901' (12/18/92) Spot a 12 sx cement plug from 4900' to 4800'
(5/31/83) Perforate Lower Gallup 4965-4976' w/2 spf (23 Perfs) and 5016'-5022' w/2 spf (13 Perfs)

(5/19/83) 5 1/2" 15.5# K-55 prod csg @ 5120' w/ 1514 cu.ft. cmt, circ 18 cu.ft. cement to surface
7-7/8" hole

PBTD @ 4800' KB
TD @ 5120'

Serendipity Com 1

Proposed PxA Calculations Proposed P&A Well Calculations

OH/Casing/Tubing Details					
5-1/2", 15.5# K-55	Capacity	0.1336 ft3/ft	2-3/8", 4.7#	Capacity	0.0217 ft3/ft
		0.0238 bbl/ft			0.0039 bbl/ft
	ID	4.950 Inches		drift	1.995 Inches
				Landed @	1426 feet KB

- NOTE: Each Cement Job required to place cement as follows**
1. OD of pipe 50' below and 50' above Formation Top with 100% excess
 2. ID of pipe 50' below and 50' above Formation Top with 50% excess
 3. ALL cement will be Class G, Density 15.8 ppg and Yield 1.15 cf/sx

Plug 1:

Mancos Shale	Formation Top	3909	ft		
	Bttm of plug	3959	Cement Top	3859	
Open Hole Capacity (NA-cemented to Surface)				sxs	100 feet plus 50% excess
				11.617	Inside Pipe Capacity
				ft3	13.36 100' Inside Casing
				ft3	6.68 50% excess
				ft3	20.04 Total ft3 Inside Pipe
				ft3	21 Rounded up
				bbls	3.88 Total BBLS
				SXS	18.26 Total Sxs Cement

Total Sxs Cement 18.26

Plug 1: Mancos Shale Top @ 3909', with 2 3/8" tbg @ 3959', won't be able to circulate hole so place balanced plug mixing 11.6 sx (13.36 cf) cement plus 50% excess, TOH with 2 3/8" tbg to 3750' and pump 2 bbls water down tubing and casing.

Plug 2:

Mesa Verde & Lewis Shale & Pictured Cliffs	Formation Top	1291	ft		
	Bttm Balanced Plug @	1668	Cement Top	1250	
Open Hole Capacity (NA-cemented to Surface)				sxs	418 feet plus 50% excess
				48.6	Inside Pipe Capacity
				ft3	55.8448 100' Inside Casing
				ft3	0 0% excess
				ft3	55.8448 Total ft3 Inside Pipe
				ft3	56 Rounded up
				bbls	10.35 Total BBLS
				SXS	48.70 Total Sxs Cement

Total Sxs Cement 48.70

Plug 2: Mesa Verde Top 1618', Lewi Shale Top 1446', and Pictured Cliffs Top 1291', with 2 3/8" tbg @ 1668', establish circulation if possible, place balanced plug 48.7 sx (55.48 cf) cement plus 0% excess, TOH to 1200' and pump 5 bbls down tbg. Can't circulate and Don't want cement at CIBP set point.

Plug 3:

CIBP Cap	CIBP @	1195	ft		
	Bttm of plug	1195	Cement Top	1145	
Open Hole Capacity (NA-cemented to Surface)				sxs	50 feet plus 50% excess
				5.8087	Inside Pipe Capacity
				ft3	6.68 100' Inside Casing
				ft3	3.34 50% excess
				ft3	10.02 Total ft3 Inside Pipe
				ft3	10 Rounded up
				bbls	1.85 Total BBLS
				SXS	8.70 Total Sxs Cement

Total Sxs Cement 8.70

Plug 3: Cement cap on CIBP at 1195' KB. With tbg @ 1190' KB, establish circulation and place balanced plug 5.80 sxs (6.68 ft3) cement plus 50% excess, TOH to 850', reverse circulate hole clean

Serendipity Com 1

Proposed PxA Calculations

Plug 4:	Fruitland Coal	Formation Top	800	ft				
	Btm of plug	850	Cement Top	750				
	Open Hole Capacity (NA-cemented to Surface)				sxs	11.617	100	feet plus 50% excess
								Inside Pipe Capacity
						ft3	13.36	100' Inside Casing
						ft3	6.68	50% excess
						ft3	20.04	Total ft3 Inside Pipe
						ft3	21	Rounded up
						bbls	3.88	Total BBLS
						SXS	18.26	Total Sxs Cement

Total Sxs Cement 18.26

Plug 4: Fruitland Coal top @ 800' KB. With tbg @ 850' KB, establish circulation and place balanced plug 11.62 sxs (13.36 ft3) cement plus 50% excess, TOH to 254', reverse circulate hole clean

Plug 5:	Kirtland Shale	Formation Top	204	ft				
	Btm of plug	254	Cement Top	0				
	Open Hole Capacity (NA-cemented to Surface)				sxs	29.508	254	feet plus 50% excess
								Inside Pipe Capacity
						ft3	33.9344	100' Inside Casing
						ft3	16.9672	50% excess
						ft3	50.9016	Total ft3 Inside Pipe
						ft3	51	Rounded up
						bbls	9.43	Total BBLS
						SXS	44.35	Total Sxs Cement

Total Sxs Cement 44.35

Plug 5: Kirtland Shale top @ 204' KB. With tbg @ 254' KB, establish circulation and place balanced plug 29.5 sxs (33.93 ft3) cement and continue until good cement to surface, TOH tubing and top off casing with cement.

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

AFMSS 2 Sundry ID 2642618

Attachment to notice of Intention to Abandon

Well: Serendipity Com 1

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.
3. Before or within 30 days after completing work, Mustang Resources LLC must contact a Farmington Field Office surface inspection staff to schedule a reclamation onsite.
4. The following modifications to your plugging program are to be made:
 - a) Add a plug to cover the Cliff House formation top at 2030 feet.
 - b) Bring the top of Plug no. 2 (Pictured Cliffs) up to 1241 feet.
 - c) For Plug no. 5, set tubing a minimum of 50 feet below surface casing at 213 feet before circulating cement.

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 12/09/2021

**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)

Company Na Mustang Resources LLC
 Well Name: Serendipity Com 1
 API Number: 30-045-25679
 Location: 1650' FSL, 2310' FEL, Sec 26, T26N, R13W
 County: San Juan, NM

Note: Follow all BLM/NMOCB Rules and Regulations.

5-1/2", 15.5# Capacity	0.1336 ft3/ft	2-3/8", 4.7# Capacity	0.0217 ft3/ft
	0.0238 bbl/ft		0.0039 bbl/ft
ID	4.950 Inches		1.995 Inches

Step Description

- Note: Well was plugged back from the Gallup formation in 1992 with a CIBP with cement on top at 4800'. The well was recompleted in 1992 in the Fruitland Coal formation.**
- Proposed P&A Procedure**
- 1 Back drag & clean location for crew & rig safety. Test anchors if needed, arrange for H2O on site
 - 2 Prior to rig, verify wellhead connections for any flanges and BOPE.
 - 3 **Notify NMOCB/BLM 48 hours before commencing P&A operations**
 - 4 MIRU well service rig and associated P&A equipment
 - 5 Bleed pressure from well to tank (well has very little pressure if any)
 - 6 Pull Rods laying down
 - 7 ND WH & NU BOP
 - 8 Pull 2-3/8" Tubing (lay down any bad joints)
 - 9 Ensure there is enough 2-3/8" workstring to complete job
 - 10 TIH with 5.5" 15.5# casing scraper to 4800' w/2-3/8" tubing (use new workstring as needed)
 - 11 Pump down tubing and fill hole with water if possible (most likely will not circulate)
 - 12 TOH with 5.5" casing scraper
 - 13 **NOTE:** No CBL required-Cement on record was cemented to surface behind 5-1/2 csg (5-19-92)
 - 14 TIH 2-3/8" tubing to 3959', load hole w/water, most likely well won't circulate (FC will take water)
- Plug 1: Mancos Shale Top @ 3909', with 2 3/8" tbg @ 3959', establish circulation and place balanced plug mixing 11.6 sx (13.36 cf) cement plus 50% excess, TOH with 2 3/8" tbg to 3500' and pump 2 bbls down tbg & csg to ensure clean. (well won't circulate)**
- 15
 - 16 Wait minimum of 4 hours and tag top of cement (Must be no deeper than 3859')
 - 17 If good tag, TOH with tubing to 1668'
- Plug 2: Mesa Verde Top 1618', Lewi Shale Top 1446', and Pictured Cliffs Top 1291', with 2 3/8" tbg @ 1668', establish circulation if possible, place balanced plug 47.4 sx (54.5 cf) cement plus 0% excess, TOH to 1260' and pump 5 bbls down tbg. Can't circulate with FC perfs open and Don't want cement at CIBP set point (1195').**
- 18
 - 19 Wait minimum of 4 hours and tag top of cement (Must be no deeper than 1291')
 - 20 If good tag, TOH with tubing
 - 21 TIH with CIBP w/2-3/8" tubing and Set @1195' KB
 - 22 Release from CIBP and pull up hole to 1190' and circulate casing full with fresh water
 - 23 Close Pipe Rams
 - 24 Pressure test casing to 560# to determine integrity
 - 25 If casing tests good proceed, if not determine where casing is leaking off
- Plug 3: Cement plug on CIBP at 1195' KB. With tbg @ 1190' KB, establish circulation and place balanced plug 5.80 sxs (6.68 ft3) cement plus 50% excess, TOH to 850', reverse circulate hole clean**
- 26
 - 27 With Tubing at 850' establish circulation
- Plug 4: Fruitland Coal top @ 800' KB. With tbg @ 850' KB, establish circulation and place balanced plug 11.62 sxs (13.36 ft3) cement plus 50% excess, TOH to 254', reverse circulate hole clean**
- 28
 - 29 With Tubing at 254' establish circulation
- Plug 5: Kirtland Shale top @ 204' KB. With tbg @ 254' KB, establish circulation and place balanced plug 29.5 sxs (33.93 ft3) cement and continue until good cement to surface, TOH and LD tubing and top off casing with cement.**
- 30
 - 31 ND BOP and cut off casing and install P&A marker to comply with regulations
 - 32 RD and move off location



Serendipity Com 1

Location: Surface: 1650' FSL, 2310' FEL,
Sec 26, T26N, R13W, San Juan
County, New Mexico

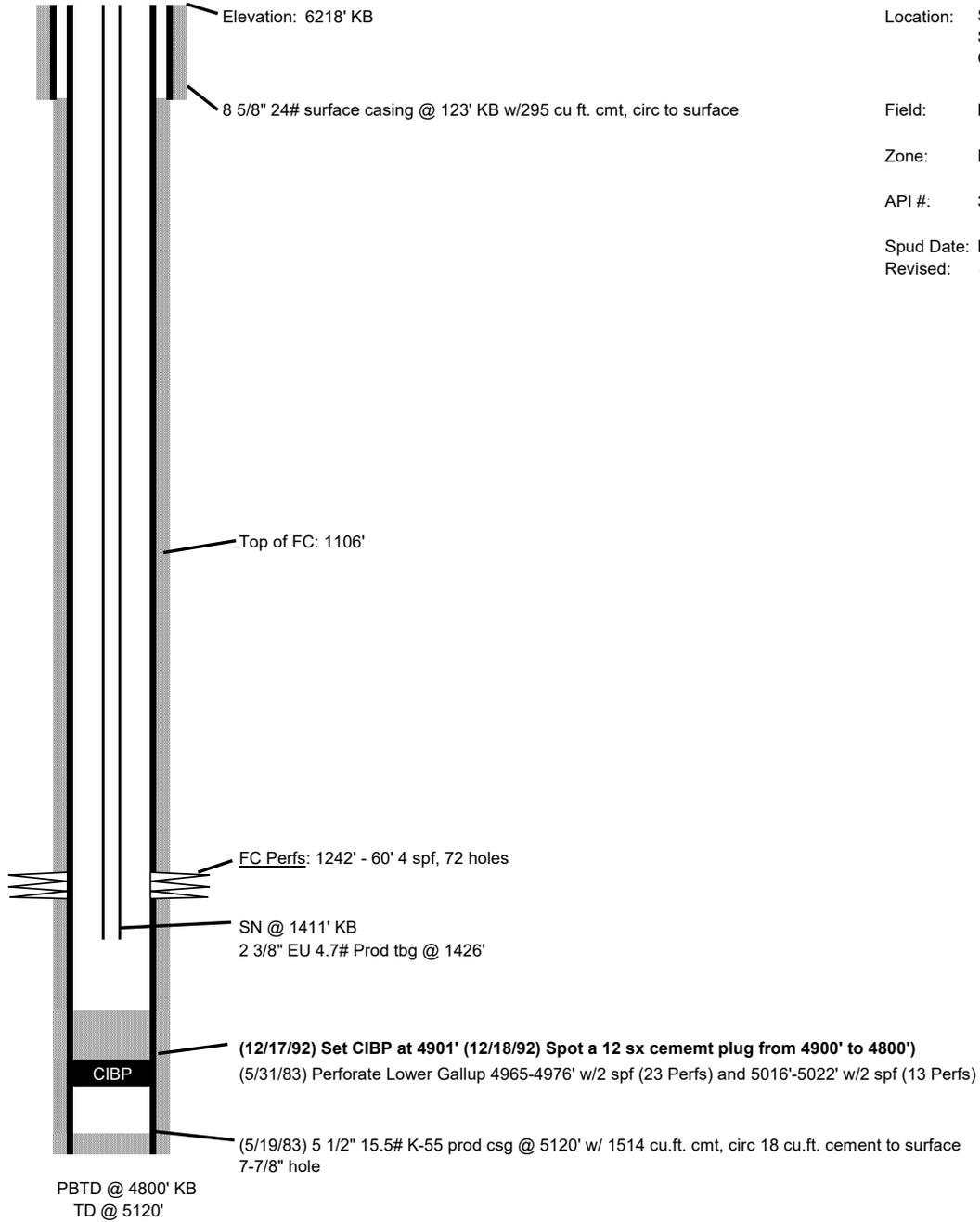
Field: Basin FC

Zone: Fruitland Coal

API #: 30-045-25679

Spud Date: May 13, 1983

Revised: 8/22/11



5/18/04 Rod pump:
 2" x 1 1/4" x 9' x 11' RHAC pump
 28 ea 5/8" rods
 27 x 3/4" rods
 2 ea 6' pony rods
 1 ea 2' pony rods

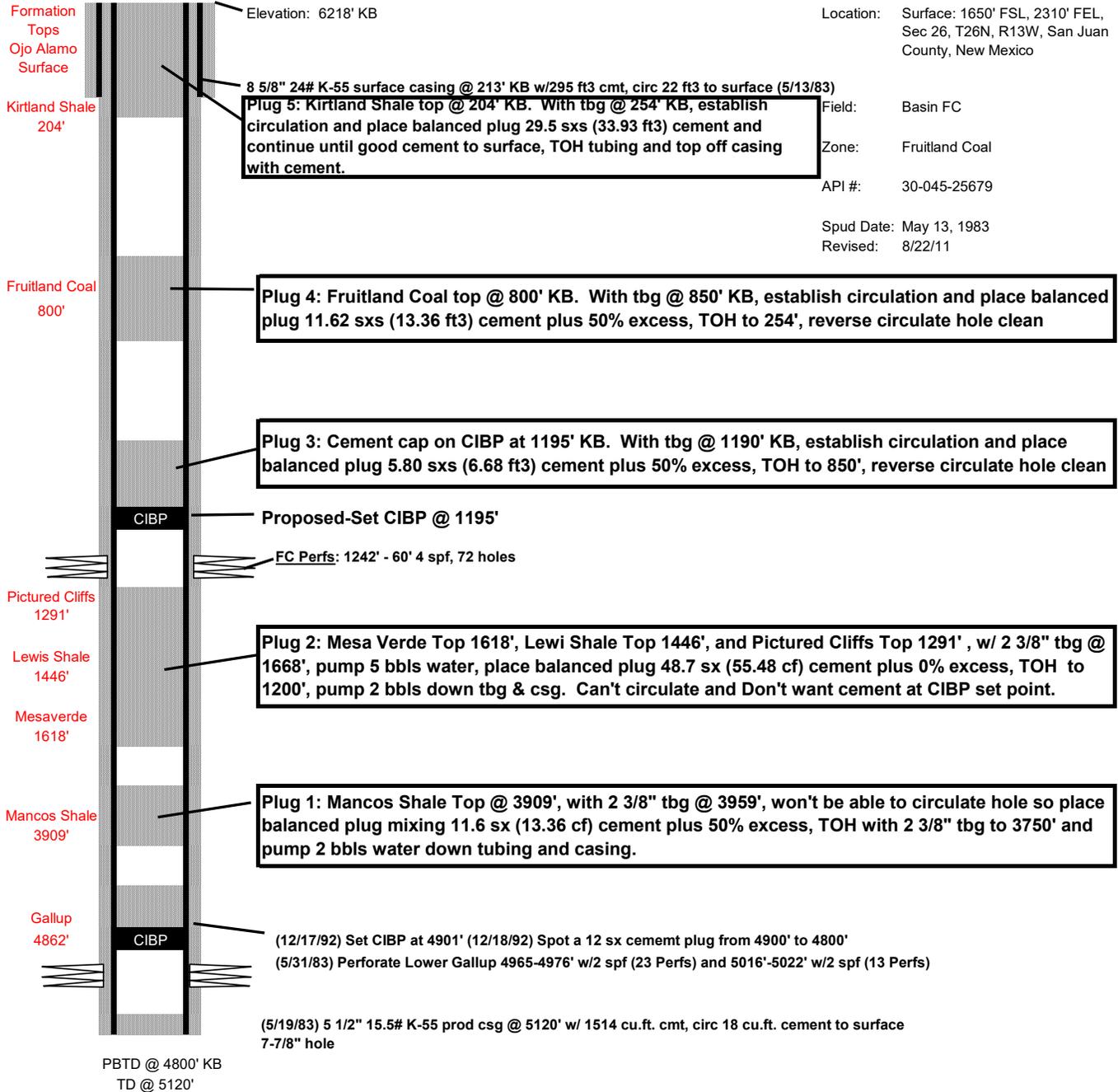
OriginalSketch

ljt



Serendipity Com 1

Proposed P&A



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 66880

CONDITIONS

Operator: Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	OGRID: 373495
	Action Number: 66880
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	12/16/2021
kpickford	Adhere to BLM approved plugs. See GEO report.	12/16/2021