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ne (Printed/Typed) an Wood / Ph: (505)4	66-8120		Date 11/30/2017
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ne <i>(Printed/Typed)</i> Jy Layton / Ph: (575)	234-5959		Date 02/16/2018
quitable title to those righ	nts in the sub	ject lease which would e	ntitle the applicant to
y person knowingly and r within its jurisdiction.	willfully to m	nake to any department o	or agency of the United
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Approval Date: 02/16/2018

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INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

• ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts. ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

(Form 3160-3, page 2)

Approval Date: 02/16/2018

Additional Operator Remarks

Location of Well

SHL: SWSE / 150 FSL / 2088 FEL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4139083 / LONG: -103.6607785 (TVD: 0 feet, MD: 0 feet)
 PPP: SWSE / 150 FSL / 2088 FEL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4139083 / LONG: -103.6607785 (TVD: 0 feet, MD: 0 feet)
 BHL: LOT 2 / 240 FNL / 1652 FEL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4273363 / LONG: -103.6594137 (TVD: 12588 feet, MD: 17307 feet)

BLM Point of Contact

Name: Tenille Ortiz Title: Legal Instruments Examiner Phone: 5752342224 Email: tortiz@blm.gov

Approval Date: 02/16/2018

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Approval Date: 02/16/2018

(Form 3160-3, page 4)

FMSS

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Operator Certification Data Report

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: Brian Wood		Signed on: 11/30/2017
Title: President		
Street Address: 37 Verano Loop		
City: Santa Fe	State: NM	Zip : 87508
Phone: (505)466-8120		• · · ·
Email address: afmss@permitswe	st.com	
Field Representative		. · · ·
Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

FMSS

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT Application Data Report

02/20/2018

APD ID: 10400025117

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: NINA CORTELL FED COM

Well Type: OIL WELL

Well Number: 203H Well Work Type: Drill

Submission Date: 11/30/2017

Zip: 75240

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General		
APD ID: 10400025117	Tie to previous NOS?	Submission Date: 11/30/201
BLM Office: CARLSBAD	User: Brian Wood	Title: President
Federal/Indian APD: FED	Is the first lease penetrate	d for production Federal or Indian? FED
Lease number: NMNM135247	Lease Acres: 439.68	
Surface access agreement in place?	Allotted?	Reservation:
Agreement in place? NO	Federal or Indian agreeme	ent:
Agreement number:		
Agreement name:		
Keep application confidential? NO		
Permitting Agent? YES	APD Operator: MATADOR	PRODUCTION COMPANY
Operator letter of designation:		

Operator Info

Operator Organization Name: MATADOR PRODUCTION COMPANY

Operator Address: 5400 LBJ Freeway, Suite 1500

Operator PO Box:

Operator City: Dalias State: TX

Operator Phone: (972)371-5200

Operator Internet Address: amonroe@matadorresources.com

Section 2 - Well Information

Well in Master Development Plan? NO	Mater Development Plan name:	
Well in Master SUPO? NO	Master SUPO name:	
Well in Master Drilling Plan? NO	Master Drilling Plan name:	
Well Name: NINA CORTELL FED COM	Well Number: 203H	Well API Number:
Field/Pool or Exploratory? Field and Pool	Field Name: WILDCAT	Pool Name: WOLFCAMP

Is the proposed well in an area containing other mineral resources? NATURAL GAS, CO2, OIL

Well Number: 203H

Describe other minerals:			
Is the proposed well in a Helium produ	iction area? N	Use Existing Well Pad? NO	New surface disturbance?
Type of Well Pad: MULTIPLE WELL		Multiple Well Pad Name: SLOT	Number: 3
Well Class: HORIZONTAL		Number of Legs: 1	
Well Work Type: Drill			
Well Type: OIL WELL			
Describe Well Type:			
Well sub-Type: INFILL			
Describe sub-type:			
Distance to town: 27 Miles	Distance to ne	arest well: 30 FT Distar	nce to lease line: 150 FT
Reservoir well spacing assigned acres	s Measurement:	319.84 Acres	
Well plat: NC_203H_Plat_20171130	134444.pdf		
Well work start Date: 01/02/2018		Duration: 90 DAYS	

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 18329

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	QW	TVD
SHL	150	FSL	208	FEL	22S	32E	3	Aliquot	32.41390	-	LEA	NEW	NEW	F	NMNM	380	0	0
Leg			8					SWSE	83	103.6607		MEXI	MEXI		135247	5		
#1]		785		co	co					
KOP	150	FSL	208	FEL	22S	32E	3	Aliquot	32.41390	-	LEA	NEW	NEW	F	NMNM	-	115	115
Leg			8					SWSE	83	103.6607		MEXI	MEXI		135247	770	29	10
#1										785		со	со			5		
PPP	150	FSL	208	FEL	22S	32E	3	Aliquot	32.41390	-	LEA	NEW	NEW	F	NMNM	380	0	0
Leg			8					SWSE	83	103.6607		MEXI	MEXI		135247	5		1
#1										785		со	со					

Well Name: NINA CORTELL FED COM

Well Number: 203H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	DM	TVD
EX	T 240	FNL	165	FEL	22S	32E	3	Lot	32.42733	-	LEA	NEW	NEW	F	NMNM	-	173	125
#1			2					2		137		CO	CO		100247	3		
вн	- 240	FNL	165	FEL	22S	32E	3	Lot	32.42733	-	LEA	NEW	NEW	F	NMNM	-	173	125
Le			2					2	63	103.6594		MEXI	MEXI		135247	878	07	88
#1										137		co	co			3		

Well Name: NINA CORTELL FED COM

Well Number: 203H

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 12000

Equipment: A 12,000' 5000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and 1 annular preventer will be used below surface casing to TD. See attached BOP, choke manifold, co-flex hose, and speed head diagrams. An accumulator complying with Onshore Order 2 requirements for the BOP stack pressure rating will be present. Rotating head will be installed as needed.

Requesting Variance? YES

Variance request: Matador requests a variance to have the option of running a speed head for setting the intermediate 1 and 2 strings. In the case of running a speed head with landing mandrel for 9.625" and 7" casing, a minimum 3M BOPE system will be installed after surface casing is set. BOP test pressures will be 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 2500 psi high before drilling below the surface shoe. After 7" casing is set in the speed head, the BOP will then be lifted to install another casing head section for setting the production casing. Matador will nipple up the casing head and BOP and a minimum 5M BOPE system will be installed. Pressure tests will be made to 250 psi low and 5000 psi high. Annular will be tested to 250 psi low and 2500 psi low and 2500 psi dow and 2500 psi high. Annular will be tested to 250 psi low and 2500 psi high. A diagram of the speed head is attached. Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. Manufacturer does not require the hose to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Testing Procedure: Pressure tests will be conducted before drilling out from under all casing strings. BOP will be inspected and operated as required in Onshore Order 2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position. A third party company will test the BOPs. After setting the surface casing, and before drilling the surface casing shoe, a minimum 2M BOPE system will be installed. It will be tested to 250 psi low and 2000 psi high. Annular will be tested to 250 psi low and 1000 psi high. After setting intermediate 1 casing, a minimum 3M BOPE system will be installed and tested to 250 psi low and 3000 psi high. Annular will be installed and tested to 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 5000 psi high. Annular will be tested to 250 psi low and 2500 psi high. Annular will be tested to 250 psi low and 5000 psi high. Annular will be tested to 250 psi low and 2500 psi high. Annular will be tested to 250 psi low and 5000 psi high. Annular will be tested to 250 psi low and 2500 psi high.

Choke Diagram Attachment:

NC_203H_Choke_20171130141709.pdf

BOP Diagram Attachment:

NC_203H_BOP_20171130141728.pdf

Section 3 - Casing

									-			•				<u>.</u>						
Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFÀCE	17.5	13.375	NEW	API	N	o	1200	o	1200	3805		1200	J-55	54.5	OTHER - BTC	1.12 5	1.12 5	DRY	1.8	DRY	1.8
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	5000	0	4987	3805		5000	J-55	40	OTHER - BTC	1.12 5	1.12 5	DRY	1.8	DRY	1.8

Well Name: NINA CORTELL FED COM

Well Number: 203H

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
3	INTERMED IATE	8.75	7.0	NEW	API	N	0	12330	0	12075	3805		12330	P- 110	29	OTHER - BTC	1.12 5	1.12 5	DRY	1.8	DRY	1.8
4	PRODUCTI ON	6.12 5	4.5	NEW	API	N	0	16841	0	12094	3805		16841	P- 110	13.5	OTHER - BTC/TXP	1.12 5	1.12 5	DRY	1.8	DRY	1.8

Casing Attachments

Casing ID: 1

String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

NC_203H_Casing_Design_Assumptions_20171130141810.pdf

Casing ID: 2

String Type: INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

NC_203H_Casing_Design_Assumptions_20171130141847.pdf

Well Name: NINA CORTELL FED COM

Well Number: 203H

Casing Attachments

Casing ID: 3 String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

NC_203H_Casing_Design_Assumptions_20171130142107.pdf

Casing ID: 4 String Type: PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

NC_203H_Casing_Design_Assumptions_20171130142135.pdf

Section	4 - Ce	emen	t								
String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1200	240	1.82	12.8	436	100	Class C	Bentonite + 2% CaCl2 + 3% NaCl + LCM
SURFACE	Tail		0	1200	839	1.38	14.8	1157	100	Class C	5% NaCl + LCM
INTERMEDIATE	Lead		0	5000	909	2.13	12.6	1936	100	Class C	Bentonite + 1% CaCl2 + 8% NaCl + LCM
INTERMEDIATE	Tail		0	5000	482	1.38	14.8	665	100	Class C	5% NaCl + LCM
INTERMEDIATE	Lead		0	1233 0	563	2.36	11.5	1328	35	ТХІ	Fluid Loss + Dispersant + Retarder + LCM

Page 4 of 7

Well Name: NINA CORTELL FED COM

Well Number: 203H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		0	1233 0	327	1.38	13.2	451	35	ТХІ	Fluid Loss + Dispersant + Retarder + LCM
PRODUCTION	Lead		0	1684 1	597	1.17	15.8	698		Class H	Fluid Loss + Dispersant + Retarder + LCM
PRODUCTION	Tail		0	1684 1	597	1.17	15.8	698	25	Class H	Fluid Loss + Dispersant + Retarder + LCM

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Describe the mud monitoring system utilized: An electronic Pason mud monitoring system complying with Onshore Order 1 will be used.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (Ibs/cu ft)	Gel Strength (lbs/100 sqft)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1200	5000	OTHER : Brine water	10	10				1 - -			
5000	1233 0	OTHER : Fresh water & cut brine	9	9							
0	1200	OTHER : Fresh water spud	8.3	8.3							
1233 0	1684 1	OIL-BASED MUD	12.5	12.5	:	-					

Well Name: NINA CORTELL FED COM

Well Number: 203H

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

A 2-person mud logging program will be used from 5000' to TD.

No electric logs are planned at this time. GR will be collected through the MWD tools from intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to TOC.

List of open and cased hole logs run in the well:

CBL,GR,OTH

Other log type(s):

CCL

Coring operation description for the well:

No core or drill stem test is planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8000

Anticipated Surface Pressure: 5339.32

Anticipated Bottom Hole Temperature(F): 170

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

NC_203H_H2S_Plan_20171130142723.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

NC_203H_Horizontal_Drill_Plan_20171130142748.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

NC_203H_General_Drill_Plan_20171130142916.pdf NC_203H_Speedhead_Specs_20171130142929.pdf Other Variance attachment:



Nina Cortell Fed Com #203H Matador Resources Company PATTERSON-UTI	RIG 297
Made by Cameron (Shaffer Spherical) Clone Annular	PATTERSON-UTI # PS2-628 STYLE: New Shaffer Spherical BORE 13 5/8" PRESSURE 5,000 HEIGHT: 48 ½" WEIGHT: 13,800 lbs
	PATTERSON-UTI # PC2-128 STYLE: New Cameron Type U BORE 13 5/8" PRESSURE 10,000 RAMS: TOP 5" Pipe BTM Blinds HEIGHT: 66 5/8" WEIGHT: 24,000 lbs
	Length40"Outlets4" 10M DSA4" 10M x 2" 10M PATTERSON-UTI #PC2-228 STYLE:New Cameron Type U BORE13 5/8"_ PRESSURE10,000 RAMS:5" Pipe
	неіднт: <u>41 5/8"</u> weight: <u>13,000 lbs</u>







MHSI-008 Rev. 2.0 Proprietary

	Midwest Hose
	& Specialty, Inc.
Cert	ificate of Conformity
Customer: PATTERSON B&E	Customer P.O.# 260471
Sales Order # 236404	Date Assembled: 12/8/2014
	Specifications
Hose Assembly Type: Choke &	Kill
Assembly Serial # 287918-2	2 Hose Lot # and Date Code 10490-01/13
Hose Working Pressure (psi) 10000	Test Pressure (psi) 15000
We hereby certify that the above material to the requirements of the purchase order Supplier: Midwest Hose & Specialty, Inc.	supplied for the referenced purchase order to be true according and current industry standards.
3312 S I-35 Service Rd	
Comments:	
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приочен ву	12/9/2014
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MHSI-009 Rev.0.0 Proprietary





MHSI-008 Rev. 2.0 Proprietary

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	Midwo & Spec	est Hose ialty, Inc.	
	Certificate c	f Conformity	
Customer: PATTERSON B	LE CONTROLLE	Customer P.O.# 260471	
Sales Order # 236404		Date Assembled: 12/8/2014	<u> </u>
	f		
	Specia		
Hose Assembly Type:	Choke & Kill		
Assembly Serial #	287918-1	Hose Lot # and Date Code	10490-01/13
Hose Working Pressure (psi)	10000	Test Pressure (psi)	15000
We hereby certify that the above to the requirements of the purch Supplier:	r material supplied fo ase order and curren	r the referenced purchase order t industry standards.	to be true according
3312 S I-35 Service Rd			
Oklahoma City, OK 73129 Comments:			
Oklahoma City, OK 73129 Comments:			
Approved B	<u>y</u>	Date	14

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MHSI-009 Rev.0.0 Proprietary





MHSI-008 Rev. 2.0 Proprietary

	j #1.		(
	Mic	dwest Hose	
	@5	pecially, inc.	
	Certificat	e of Conformity	
Customer: PATTERSO	N B&E	Customer P.O.# 260471	
Sales Order # 236404		Date Assembled: 12/8/2014	
	Spe	cifications	
Hose Assembly Type:	Choke & Kill		
Assembly Serial #	287918-3	Hose Lot # and Date Code	10490-01/13
Hose Working Pressure (psi	·) 10000	Test Pressure (nsi)	15000
We hereby certify that the ab to the requirements of the pu Supplier	ove material supplie rchase order and cui	d for the referenced purchase order rrent industry standards.	to be true according
Midwest Hose & Specialty, In 3312 S I-35 Service Rd Oklahoma City, OK 73129			
Comments:			
Approve	d By	Date	

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MHSI-009 Rev.0.0 Proprietary

Casing Design Criteria and Load Case Assumptions

Surface Casing

Collapse: DF_c=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.43 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.52 psi/ft).

Burst: DF_b=1.125

Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud
gradient in which the casing will be run (0.43 psi/ft), which is a more conservative backup force than pore
pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.3 ppg).

Intermediate #1 Casing

Collapse: DF_c=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (10.0 ppg).

Intermediate #2 Casing

Collapse: DF_c=1.125

• Partial Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.47 psi/ft). The effects of axial load on collapse will be considered. Internal force equal to gas gradient over half of setting depth and mud gradient with which the next hole section will be run below that (0.65 psi/ft).

• Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.47 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 100 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.65 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (9.0 ppg).

Production Casing

Collapse: DFc=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.65 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.65 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: 8000 psi casing test with an external force equal to the mud gradient in which the casing will be run (0.65 psi/ft), which is a more conservative backup force than pore pressure.
- Injection Down Casing: 9500 psi surface injection pressure plus an internal pressure gradient of 0.65 psi/ft with an external force equal to the mud gradient in which the casing will be run (0.65 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (12.5 ppg).

Casing Design Criteria and Load Case Assumptions

Surface Casing

Collapse: DF_c=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.43 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.52 psi/ft).

Burst: DF_b=1.125

Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud
gradient in which the casing will be run (0.43 psi/ft), which is a more conservative backup force than pore
pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.3 ppg).

Intermediate #1 Casing

Collapse: DF_c=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DFt=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (10.0 ppg).

Intermediate #2 Casing

Collapse: DFc=1.125

Partial Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.47 psi/ft). The effects of axial load on collapse will be considered. Internal force equal to gas gradient over half of setting depth and mud gradient with which the next hole section will be run below that (0.65 psi/ft).

• Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.47 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 100 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.65 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (9.0 ppg).

Production Casing

Collapse: DFc=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.65 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.65 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: 8000 psi casing test with an external force equal to the mud gradient in which the casing will be run (0.65 psi/ft), which is a more conservative backup force than pore pressure.
- Injection Down Casing: 9500 psi surface injection pressure plus an internal pressure gradient of 0.65 psi/ft with an external force equal to the mud gradient in which the casing will be run (0.65 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (12.5 ppg).

Casing Design Criteria and Load Case Assumptions

Surface Casing

Collapse: DFc=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.43 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.52 psi/ft).

Burst: DF_b=1.125

• Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.43 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.3 ppg).

Intermediate #1 Casing

Collapse: DF_c=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
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Tensile: DF_t=1.8

• Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (10.0 ppg).

Intermediate #2 Casing

Collapse: DFc=1.125

• Partial Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.47 psi/ft). The effects of axial load on collapse will be considered. Internal force equal to gas gradient over half of setting depth and mud gradient with which the next hole section will be run below that (0.65 psi/ft).

For the latest performance data, always visit our website: www.tenaris.com

December 31 2015



Connection: TenarisXP® BTC **Casing/Tubing**: CAS **Coupling Option**: REGULAR Size: 4.500 in. Wall: 0.290 in. Weight: 13.50 lbs/ft Grade: P110-ICY Min. Wall Thickness: 87.5 %

Nominal OD	4.500 in.	Nominal Weight	13.50 lbs/ft	Standard Drift Diameter	3.795 in.
Nominal ID	3.920 in.	Wall Thickness	0.290 in.	Special Drift Diameter	N/A
Plain End Weight	13.05 lbs/ft				
Body Yield Strength	479 x 1000 lbs	Internal Yield	14100 psi	SMYS	125000 psi
Collapse	11620 psi				
		· ·			
Connection OD	5.000 in.	Coupling Length	9.075 in.	Connection ID	3.908 in.
Critical Section Area	3 836 sq in	Threads per in	5.00	Makelinioss	4 016 in
<u> </u>			<u> </u>	l	
Tension Efficiency	100 %	Joint Yield Strength	479 x 1000 lbs	Internal Pressure Capacity ⁽¹⁾	14100 psi
Structural Compression Efficiency	100 %	Structural Compression Strength	479 x 1000 lbs	Structural Bending ⁽²⁾	1 27 °/ 100 f
	11620 psi				
External Pressure Capacity	. <u> </u>				
External Pressure Capacity Minimum	6950 ft-lbs	Optimum	7720 ft-lbs	Maximum	8490 ft-lbs

FMSS

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

APD ID: 10400025117

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: NINA CORTELL FED COM

Well Type: OIL WELL

Submission Date: 11/30/2017

Well Number: 203H

Well Work Type: Drill

Highlighted data reflects the most recent changes

02/20/2018

Show Final Text

SUPO Data Report

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

NC_203H_Road_Map_20171130143020.pdf

Existing Road Purpose: ACCESS

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

NC_203H_New_Road_Map_20171130143038.pdf

New road type: RESOURCE

Length: 808.35

Width (ft.): 30

Max slope (%): 0

Max grade (%): 5

Army Corp of Engineers (ACOE) permit required? NO

Feet

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: Crowned and ditched

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Row(s) Exist? NO

Well Name: NINA CORTELL FED COM

Well Number: 203H

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: Grader

Access other construction information: Upgrading will consist of draining and/or patching ten potholes with caliche. The potholes are located (from east to west and in NAD 83) at: 32.41494, -103.67654 32.41504, -103.67879 32.41512, -103.68060 32.41702, -103.68328 32.41873, -103.68333 32.42312, -103.68326 32.42402, -103.68326 32.42804, -103.68354 32.43641, -103.68974 32.43644, -103.69497

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: Crowned and ditched

Road Drainage Control Structures (DCS) description: None

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Additional Attachment(s):

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

NC_203H_Well_Map_20171130143058.pdf

Existing Wells description:

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: No pipeline or power line plans have been finalized at this time. Production equipment will be located on the south side of the pad.

Section 5 - Location and Types of Water Supply

Water Source Table

Well Name: NINA CORTELL FED COM

Water source use type: DUST CON INTERMEDIATE/PRODUCTION CAS CASING Describe type:	TROL, SING, STIMULATION, SURFACE	Water source type: GW WELL
Source latitude:		
Source datum:		· .
Water source permit type: PRIVATE	ECONTRACT	
Source land ownership: PRIVATE		
Water source transport method: TF	RUCKING	•
Source transportation land owners	hip: FEDERAL	
Water source volume (barrels): 200	00	Source volume (acre-feet): 2.577862
Source volume (gal): 840000		
Water source and transportation map	:	
NC_203H_Water_Source_Map_201711	30143114.pdf	
Water source comments:		
New water well? NO		
	· · · · · · · · · · · · · · · · · · ·	
New Water Well In	fo	
Well latitude:	Well Longitude:	Well datum:
Well target aquifer:		
Est. depth to top of aquifer(ft):	Est thickness of	aquifer:
Aquifer comments:		
Aquifer documentation:		
Well depth (ft):	Well casing type:	
Well casing outside diameter (in.):	Well casing inside	diameter (in.):
New water well casing?	Used casing sourc	e:
Drilling method:	Drill material:	
Grout material:	Grout depth:	
Casing length (ft.):	Casing top depth (ft.):
Well Production type:	Completion Metho	d:
Water well additional information:		
State appropriation permit:		
Additional information attachment:		

Well Number: 203H

Well Name: NINA CORTELL FED COM

Well Number: 203H

Section 6 - Construction Materials

Construction Materials description: NM One Call (811) will be notified before construction starts. A straw wattle will be installed south of the pad before moving earth to protect an arroyo. Top 6" of soil and brush will be stockpiled west of the pad. V-door will face south. Closed loop drilling system will be used. Caliche will be hauled from an existing caliche pit on private (Mills) land in E2NE4 3-22s-32e.

Construction Materials source location attachment:

NC_203H_Construction_Methods_20171130143129.pdf

Section 7 - Methods for Handling Waste

Waste type: DRILLING

Waste content description: Drill cuttings, mud, salts, and other chemicals

Amount of waste: 2000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel mud tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: PRIVATE FACILITY Disposal type description:

.

Disposal location description: R360's state approved (NM-01-0006) disposal site at Halfway, NM.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.) Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? YES

Description of cuttings location Steel tanks on pad

Cuttings area length (ft.)

Cuttings area width (ft.)

Operator Name: MATADOR PRODUCTION COMPANY **Well Name:** NINA CORTELL FED COM

Well Number: 203H

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: NO Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

NC_203H_Well_Site_Layout_20171130143154.pdf

Comments:

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: SLOT Multiple Well Pad Number: 3

Recontouring attachment:

NC_203H_Recontour_Plat_20171130143205.pdf NC_203H_Interim_Reclamation_Diagram_20171130143213.pdf Drainage/Erosion control construction: Crowned and ditched

Drainage/Erosion control reclamation: Harrowed on the contour

Well pad proposed disturbance (acres): 3.65	Well pad interim reclamation (acres): 0.62	Well pad long term disturbance (acres): 3.03
Road proposed disturbance (acres):	Road interim reclamation (acres): 0	Road long term disturbance (acres):
Powerline proposed disturbance (acres): 0	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance
(acres): 0 Other proposed disturbance (acres): 0	Other interim reclamation (acres): 0	(acres): 0 Other long term disturbance (acres): 0
Total proposed disturbance: 4.21	lotal interim reclamation: 0.62	Total long term disturbance: 3.59

Reconstruction method: Interim reclamation will be completed within 6 months of completing the well. Interim reclamation will consist of shrinking the pad 17% (0.62 acre) by removing caliche and reclaiming a 100' x 270' area on the east side of

Page 5 of 11

Well Name: NINA CORTELL FED COM

Well Number: 203H

the pad. This will leave 3.03 acres for the through road, production equipment (e. g., tank battery, heater-treaters, separators, flare/CBU, pump jacks), and tractor-trailer turn around. Disturbed areas will be contoured to match pre-construction grades. Soil and brush will be evenly spread over disturbed areas and harrowed on the contour.

Topsoil redistribution: Enough stockpiled topsoil will be retained to cover the remainder of the pad when the well is plugged. Once the last well is plugged, then the rest of the pad and 808.35' of new road will be similarly reclaimed within 6 months of plugging. Noxious weeds will be controlled.

Soil treatment: None

Existing Vegetation at the well pad:

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Existing Vegetation Community at the road attachment: Existing Vegetation Community at the pipeline: Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances:

Existing Vegetation Community at other disturbances attachment:

Non native seed used?

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project?

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO Seed harvest description: Seed harvest description attachment:

Seed Management

Seed Table	
Seed type:	Seed source:
Seed name:	
Source name:	Source address:
Source phone:	
Seed cultivar:	

Operator Name: MATADOR PRODUCTION COMPANY **Well Name:** NINA CORTELL FED COM

Well Number: 203H

Seed use location:

PLS pounds per acre:

Proposed seeding season:

Seed Summary		
Seed Type	Pounds/Acre	

Total pounds/Acre:

Seed reclamation attachment:

	Operator Contact/Responsible Official Contact Info		
F	irst Name:	Last Name:	
Phone: Email:			
See	edbed prep:		
See	ed BMP:		
See	ed method:		
Exi	sting invasive species? NO		
Exi	sting invasive species treatment de	scription:	
Exi	sting invasive species treatment at	achment:	
We	ed treatment plan description: To S	tate Land Office/BLM standards	
We	ed treatment plan attachment:		
Мо	nitoring plan description: To State L	and Office/BLM standards	
Мо	nitoring plan attachment:		
Su	ccess standards: To State Land Offic	e/BLM satisfaction	
Pit	closure description: No pit		
Pit	closure attachment:		

Section 11 - Surface Ownership

Disturbance type: WELL PAD Describe: Surface Owner: PRIVATE OWNERSHIP Other surface owner description: BIA Local Office: BOR Local Office: COE Local Office:

 Operator, Name: MATADOR PRODUCTION COMPANY

 Well Name: NINA CORTELL FED COM
 Well Number: 203H

 NPS Local Office:

 State Local Office:

 Military Local Office:

 USFWS Local Office:

 USFWS Local Office:

 USFS Region:

 USFS Forest/Grassland:

 USFS Forest/Grassland:

 Fee Owner: Jimmy Mills Trust

 Fee Owner Address: 1602 Ave J, Abernathy TX 79311

 Phone: (806)298-2752

Surface use plan certification: NO

Surface use plan certification document:

Surface access agreement or bond: Agreement

Surface Access Agreement Need description: See attachment

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: STATE GOVERNMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office: NM STATE LAND OFFICE, PO BOX 1148 SANTA FE NM 87504

Military Local Office:

USFWS Local Office:

Other Local Office:

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Well Name: NINA CORTELL FED COM

Well Number: 203H

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: EXISTING ACCESS ROAD **Describe:** Surface Owner: STATE GOVERNMENT Other surface owner description: **BIA Local Office: BOR Local Office: COE Local Office: DOD Local Office: NPS Local Office:** State Local Office: NM STATE LAND OFFICE, PO BOX 1148 SANTA FE NM 87504 Military Local Office: **USFWS Local Office: Other Local Office: USFS Region: USFS Forest/Grassland: USFS Ranger District:**

Disturbance type: NEW ACCESS ROAD Describe: Surface Owner: PRIVATE OWNERSHIP Other surface owner description: BIA Local Office: BOR Local Office: COE Local Office: NPS Local Office: State Local Office:

Well Name: NINA CORTELL FED COM

Well Number: 203H

Military Local Office:	
USFWS Local Office:	
Other Local Office:	
USFS Region:	
USFS Forest/Grassland:	USFS Ranger District:
· · · · ·	

Fee Owner: Jimmy Mills Trust

Phone: (806)298-2752

Fee Owner Address: 1602 Ave J, Abernathy TX 79311 Email:

Surface use plan certification: NO

Surface use plan certification document:

Surface access agreement or bond: Agreement

Surface Access Agreement Need description: See attachment

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Section 12 - Other Information

Right of Way needed? NO ROW Type(s):

Use APD as ROW?

ROW Applications

SUPO Additional Information: Deficiency letter dated 1/3/18 requested road route going around Devon's topsoil pile in Map 6 - see attached analysis.

Use a previously conducted onsite? YES

Previous Onsite information: On site inspection was held with Vance Wolf (BLM) on June 2, 2017. Lone Mountain will inspect and file an archaeology report.

Other SUPO Attachment

NC_203H_General_SUPO_20171130143307.pdf NC_203H_Surface_Use_Agreement_20171130143315.pdf NC_203H_Devon_Topsoil_Pile_Deficiency_20180112124353.pdf

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Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner:

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

PWD disturbance (acres):

PWD disturbance (acres):

Injection well type:

Injection well number:

Assigned injection well API number?

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? NO

Produced Water Disposal (PWD) Location: PWD surface owner: Surface discharge PWD discharge volume (bbl/day): Surface Discharge NPDES Permit? Surface Discharge NPDES Permit attachment: Surface Discharge site facilities information: Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? NO

Produced Water Disposal (PWD) Location: PWD surface owner: Other PWD discharge volume (bbl/day): Other PWD type description: Other PWD type attachment: Have other regulatory requirements been met? Other regulatory requirements attachment: Injection well name:

Injection well API number:

PWD disturbance (acres):

PWD disturbance (acres):



BUREAU OF LAND MANAGEMENT

Bond Information

Federal/Indian APD: FED

BLM Bond number: NMB001079

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Bond Info Data Report

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02/20/2018

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment: