	R.A.	OBBS O	CD			F1	
Form 3160-3 (March 2012)	l d	FEB 2 8 20	8	FORM OMB I	APPROV No. 1004-01	ED 37	
UNITED STATES DEPARTMENT OF THE	S INTERIOR	DECEN	ED	5. Lease Serial No.			
BUREAU OF LAND MAN		REGE		6. If Indian, Allotee	or Tribe	Name	
Ia. Type of work: IDRILL REENT	ER			7 If Unit or CA Agr	eement, N	ame and No.	
lb. Type of Well: 🔽 Oil Well 🔲 Gas Well 🛄 Other	√ Sir	ngle Zone 🔲 Multip	le Zone	8. Lease Name and NINA CORTELL F	Well No. ED 133	H 370842	
2. Name of Operator MATADOR PRODUCTION COMPANY	y (ŹZ8	ī8 3 7)		9. API Well No.	w	-517	
3a. Address 5400 LBJ Freeway, Suite 1500 Dallas TX 7524	3b. Phone No. (972)371-5	(include area code)	· · ·	10. Field and Pool, or BILBREY BASIN /	Explorato BONE S	ry 5695)	
4. Location of Well (Report location clearly and in accordance with a	ny State requirem	ents.*)	<u> </u>	11. Sec., T. R. M. or I	Blk. and St	irvey or Area	
At surface SWSE / 150 FSL / 2118 FWL / LAT 32.4139	081 / LONG -	103.6608755		SEC 3 / T22S / R3	2E / NM	IP	
At proposed prod. zone LOT 2 / 240 FNL / 2313 FWL / LA	T 32.4273269	9 / LONG -103.661	5558				
4. Distance in miles and direction from nearest town or post office* 27 miles				12. County or Parish LEA		13. State NM	
5. Distance from proposed* location to nearest 150 feet property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of a 439.68	cres in lease	17. Spacin 159.92	ng Unit dedicated to this	well		
8. Distance from proposed location*	19. Proposed	l Depth	20. BLM	/BIA Bond No. on file			
applied for, on this lease, fi	11944 feel	t / 16689 feet	FED: N	MB001079			
1. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxim	mate date work will star	t*	23. Estimated duration	o n		
	24 Attac	hments	·	so days		<u> </u>	
The following, completed in accordance with the requirements of Onshe	ore Oil and Gas	Order No.1, must be at	tached to the	his form:		·	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office). 	n Lands, the	 Bond to cover the ltem 20 above). Operator certification Such other site 	e operation	ons unless covered by a formation and/or plans a	n existing s may be	bond on file (see	
25. Signature	Name	BLM.			Date		
(Electronic Submission)	Brian	Wood / Ph: (505)4	66-8120	· ·	11/30	/2017	
itle President							
Approved by (Signature)	Name	(Printed Typed)			Date		
(Electronic Submission)	Cody	Layton / Ph: (575)2	34-5959		02/16	5/2018	
Supervisor Multiple Resources	CARL	SBAD					
Application approval does not warrant or certify that the applicant hole conduct operations thereon. Conditions of approval, if any, are attached.	lds legal or equi	table title to those righ	is in the su	bjectlease which would	entitle the	applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a tates any false, fictitious or fraudulent statements or representations as	crime for any po s to any matter w	erson knowingly and within its jurisdiction.	villfully to a	make to any department	or agency	of the United	
(Continued on page 2) 6 2 2/28	718 VED WIT	H CONDITI	ONS	K=101 03/01		ue on page 2)	
Appro	val Date:	02/16/2018				<i>b</i>	

* Poule day

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 / 2118 FWL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4139081 / LONG: -103.6608755 (TVD: 0 feet, MD: 0 feet)
 PPP: SWSE / 150 FSL / 2118 FWL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4139081 / LONG: -103.6608755 (TVD: 0 feet, MD: 0 feet)
 BHL: LOT 2 / 240 FNL / 2313 FWL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4273269 / LONG: -103.6615558 (TVD: 11944 feet, MD: 16689 feet)

BLM Point of Contact

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

Approval Date: 02/16/2018

(Form 3160-3, page 3)

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)



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



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

Title: President

Street Address: 37 Verano Loop

City: Santa Fe

Phone: (505)466-8120

Email address: afmss@permitswest.com

State: NM

State:

Field Representative

Representative Name:

Street Address:

City:

Phone:

Email address:

Signed on: 11/30/2017

Zip: 87508

Zip:

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

Application Data Report

02/20/2018

APD ID: 10400025089

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: NINA CORTELL FED

Well Type: OIL WELL

Submission Date: 11/30/2017

Zip: 75240

Well Number: 133H Well Work Type: Drill Highlighted data reflects the most recent changes

Show Final Text

Section 1 - General		
APD ID: 10400025089	Tie to previous NOS?	Submission Date: 11/30/2017
BLM Office: CARLSBAD	User: Brian Wood	Title: President
Federal/Indian APD: FED	Is the first lease penetrated	for production Federal or Indian? FED
Lease number: NMNM135247	Lease Acres: 439.68	
Surface access agreement in place?	Allotted? R	eservation:
Agreement in place? NO	Federal or Indian agreement	t:
Agreement number:		
Agreement name:		
Keep application confidential? NO		
Permitting Agent? YES	APD Operator: MATADOR P	RODUCTION 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: Dallas 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	Well Number: 133H	Well API Number:					
Field/Pool or Exploratory? Field and Pool	Field Name: BILBREY BASIN	Pool Name: BONE SPRING					
Is the proposed well in an area containing other mine	ral resources? NATURAL GAS,C	O2,OIL					

Page 1 of 3

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

Well Number: 133H

Describe other minerals:		
Is the proposed well in a Helium producti	on area? N Use Existing Well Pad	NO New surface disturbance?
Type of Well Pad: MULTIPLE WELL	Multiple Well Pad Nam	e: SLOT Number: 3
Well Class: HORIZONTAL	Number of Legs: 1	
Well Work Type: Drill		
Well Type: OIL WELL		
Describe Well Type:		
Weil sub-Type: INFILL	,	
Describe sub-type:		
Distance to town: 27 Miles Di	stance to nearest well: 60 FT	Distance to lease line: 150 FT
Reservoir well spacing assigned acres M	easurement: 159.92 Acres	
Well plat: NC_133H_Plat_20171129160)147.pdf	
Well work start Date: 01/02/2018	Duration: 90 DAYS	

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Survey number: 18329

Aliquot/Lot/Tract -ease Number EW Indicator NS Indicator Longitude Elevation ease Type NS-Foot EW-Foot Latitude Meridian Section County Range Twsp State <u>U</u> QM Aliquot SHL 150 FSL 211 FWL 22S 32E 3 32.41390 LEA NEW NEW IF NMNM 380 0 0 8 103.6608 MEXI 135247 SWSE 81 MEXI 6 Leg 755 со co #1 KOP FWL 22S Aliquot 32.41390 -150 FSL 211 32E 3 LEA NEW NEW F NMNM 113 113 8 103.6608 MEXI MEXI 135247 756 79 71 SWSE 81 Leg 755 CO CO 5 #1 PPP Aliquot FWL 22S LEA 150 FSL 211 32E 3 32.41390 NEW NEW F NMNM 380 0 0 -8 SWSE 81 135247 6 103.6608 MEXI MEXI Leg 755 CO lco #1

Vertical Datum: NAVD88

Well Name: NINA CORTELL FED

Well Number: 133H

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	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
EXIT	240	FNL	231	FWL	22S	32E	3	Lot	32.42732	-	LEA	NEW	NEW	F	NMNM	-	166	119
Leg.			3	ļ				2	69	103.6615		MEXI	MEXI	{	135247	813	89	44
#1										558		co	co			8	}	1
BHL	240	FNL	231	FWL	22S	32E	3	Lot	32.42732	-	LEA	NEW	NEW	F	NMNM	-	166	119
Leg			3					2	69	103.6615		MEXI	MEXI		135247	813	89	44
#1			ł							558		co	со			8		

Compressed Natural Gas is likely to be uneconomic to operate when the gas volume declines. 0

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NGL Removal – On lease o NGL Removal requires a plant and is expensive on such a small scale rendering it uneconomic and still requires residue gas to be flared.

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FMSS

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

Well Name: NINA CORTELL FED



APD ID: 10400025089

Submission Date: 11/30/2017

Highlighted data reflects the most recent changes

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Show Final Text

Well Type: OIL WELL

Well Number: 133H Well Work Type: Drill

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Section 1 - Geologic Formations

Operator Name: MATADOR PRODUCTION COMPANY

Formation			True Vertical	Measured	1		Producing
ן מו	Formation Name	Elevation	Depth	Depth	Lithologies	Mineral Resources	Formation
1		3806	0	0	OTHER : Quaternary	USEABLE WATER	No
2	DEWEY LAKE	3423	383	383	SANDSTONE	USEABLE WATER	No
3	RUSTLER ANHYDRITE	2827	979	979		NONE	No
4	TOP SALT	2453	1353	1353		NONE	No
5	CASTILE	319	3487	3493	ANHYDRITE	NONE	No
6	BASE OF SALT	-1055	4861	4870		NONE	No
7	BELL CANYON	-1119	4925	4934	SANDSTONE	NATURAL GAS,CO2,OIL	No
8	CHERRY CANYON	-2109	5915	5924	SANDSTONE	NATURAL GAS,CO2,OIL	No
9	BRUSHY CANYON	-3072	6878	6886	SANDSTONE	NATURAL GAS,CO2,OIL	No
10	BONE SPRING	-5068	8874	8883	LIMESTONE	NATURAL GAS,CO2,OIL	No
11	BONE SPRING 1ST	-5777	9583	9592	OTHER : Carbonate	NATURAL GAS,CO2,OIL	No
12	BONE SPRING 1ST	-6130	9936	9945	SANDSTONE	NATURAL GAS,CO2,OIL	No
13	BONE SPRING 2ND	-6415	10221	10230	OTHER : Carbonate	NATURAL GAS,CO2,OIL	No
14	BONE SPRING 2ND	-6688	10494	10503	SANDSTONE	NATURAL GAS,CO2,OIL	No
15	BONE SPRING 3RD	-7228	11034	11043	OTHER : Carbonate	NATURAL GAS,CO2,OIL	No
16	BONE SPRING 3RD	-7766	11572	11585	SANDSTONE	NATURAL GAS,CO2,OIL	Yes

Section 2 - Blowout Prevention

Well Name: NINA CORTELL FED

Well Number: 133H

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 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. Surface casing will be pressure tested to 250 psi low and 2000 psi high. Intermediate casing pressure tests will be made to 250 psi low and 3000 psi high. Annular preventer will be tested to 250 psi low and 1000 psi high on the surface casing and tested to 250 psi low and 2500 psi high on the intermediate casing. In the case of running a speed head with landing mandrel for 9.625" casing, initial surface casing test pressures will be tested to 5000 psi once the 9.625" casing has been landed and cemented. Matador is requesting a variance to use a speed head. Speed head diameter range is 13.375" x 9.625" x 5.5" x 2.875".

Choke Diagram Attachment:

NC_133H_Choke_20171130103705.pdf

BOP Diagram Attachment:

NC_133H_BOP_20171130103724.pdf

Section 3 - Casing

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	SURFACE	17.5	13.375	NEW	API	N	0	1200	0	1200	3806		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	4986	3806		5000	J-55	40	OTHER - BTC	1.12 5	1.12 5	DRY	1.8	DRY	1.8
3	PRODUCTI ON	8.75	5.5	NEW	API	N	0	16689	0	11944	3806		16689	P- 110	20	OTHER - BTC/TXP	1.12 5	1.12 5	DRY	1.8	DRY	1.8

Casing Attachments

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

Well Number: 133H

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casing iD:	1 String Type: SURFACE
Inspection	Document:
Spec Docu	iment:
Tapered St	tring Spec:
Casing De	sign Assumptions and Worksheet(s):
NC_1	133H_Casing_Design_Assumptions_20171130104759.pdf
Casing ID:	2 String Type: INTERMEDIATE
Inspection	Document:
Spec Docu	iment:
Tapered Si	tring Spec:
	· · · · · · · · · · · · · · · · · · ·
Casing De	sign Assumptions and Worksheet(s):
Casing De	sign Assumptions and Worksheet(s): 133H_Casing_Design_Assumptions_20171130104807.pdf
Casing De NC_ Casing ID:	sign Assumptions and Worksheet(s): 133H_Casing_Design_Assumptions_20171130104807.pdf 3 String Type:PRODUCTION
Casing De NC_^ Casing ID: Inspection	sign Assumptions and Worksheet(s): 133H_Casing_Design_Assumptions_20171130104807.pdf 3 String Type:PRODUCTION Document:
Casing De NC_ Casing ID: Inspection Spec Docu	sign Assumptions and Worksheet(s): 133H_Casing_Design_Assumptions_20171130104807.pdf 3 String Type:PRODUCTION Document: Imment:
Casing De NC_ Casing ID: Inspection Spec Docu Tapered St	sign Assumptions and Worksheet(s): 133H_Casing_Design_Assumptions_20171130104807.pdf 3 String Type: PRODUCTION Document: Imment: tring Spec:
Casing De NC_ Casing ID: Inspection Spec Docu Tapered St Casing Des	sign Assumptions and Worksheet(s): 133H_Casing_Design_Assumptions_20171130104807.pdf 3 String Type:PRODUCTION Document: ument: tring Spec: sign Assumptions and Worksheet(s):

Well Name: NINA CORTELL FED

Well Number: 133H

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	250	1.82	12.8	455	100	Class C	Bentonite + 2% CaCl2 + 3% NaCl + LCM
SURFACE	Tail		0	1200	889	1.38	14.8	1226	100	Class C	5% NaCl + LCM
INTERMEDIATE	Lead		0	5000	1044	2.13	12.6	2223	100	Class C	Bentonite + 1% CaCl2 + 8% NaCl + LCM
INTERMEDIATE	Tail		0	5000	554	1.38	14.8	764	100	Class C	5% NaCl + LCM
PRODUCTION	Lead		0	1668 9	966	2.35	11.5	2270	35	ТХІ	Fluid Loss + Dispersant + Retarder + LCM
PRODUCTION	Tail		0	1668 9	1670	1.39	13.2	2321	35	ТХІ	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 (lbs/gal)	Density (łbs/cu ft)	Gel Strength (lbs/100 sqft)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1200	5000	OTHER : Brine water	10	10							
5000	1668 9	OTHER : Fresh water & cut brine	9	9							
0	1200	OTHER : Fresh water spud	8.3	8.3							

Page 4 of 6

Well Name: NINA CORTELL FED

Well Number: 133H

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: 6500

Anticipated Surface Pressure: 3872.32

Anticipated Bottom Hole Temperature(F): 165

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_133H_H2S_Plan_20171130105737.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

NC_133H_Horizontal_Drill_Plan_20171130105806.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

NC_133H_General_Drill_Plan_20171130105818.pdf

NC_133H_Speehead_Specs_20171130105919.pdf

Other Variance attachment:

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

Well Number: 133H









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	Midw	est Hose	
	& Spec	cialty, Inc.	
1	waal lluduaata	tio Tool Contificato	
	ernal Hyarosta	tic rest certificate	
General Into		Hose Specific	
-USLOFFIER	PATTERSUN B&E	Hose Assembly Type	
VIVVIT SUIES REPIESERIALIVE	12/8/2014	Hose Grade	
Juce Assembled	040		
Sales Order #	236404	Hose Working Pressure	10400 01/12
Customer Purchase Order #	250404	Hose I D. (lockec)	10490-01/13
Assembly Serial # (Dick Ticket #)	287918-2	Hose O.D. (Inches)	5 20"
Hose Assembly Length	10'	Armor (ves (no)	
End A		End B	
Stem (Port and Revision #)	R3.0X64WB	Stem (Port and Revision #)	R3.0X64WB
Stem (Heot #)	91996	Stem (Heot #)	91995
Ferrule (Part and Revision #)	27045621	Ferrule (Part and Revision #)	27045621
Connection (0++)	37DA5051		37DA3031
Connection (Port #)	+ 1/10 1/V	Connection (Vent #)	
		7 Dies Used	<u>د</u>
Dies Lised			<u> </u>
Dies Used			the second se
Dies Used	Hydrostatic Te	Hose assembly was tested a	with ambient water

MHSI-008 Rev. 2.0 Proprietary

(m. 1	
Mi & S	dwest Hose Specialty, Inc.
Certificat	e of Conformity
Customer: PATTERSON B&E	Customer P.O.# 260471
Sales Order # 236404	Date Assembled: 12/8/2014
Spe	cifications
Hose Assembly Type: Choke & Kill	
Assembly Serial # 287918-2	Hose Lot # and Date Code 10490-01/13
Hose Working Pressure (psi) 10000	Test Pressure (psi) 15000
We hereby certify that the above material suppli- to the requirements of the purchase order and cu Supplier: Midwest Hose & Specialty, Inc. 3312 S I-35 Service Rd Oklahoma City, OK 73129	ed for the referenced purchase order to be true according ırrent industry standards.
Comments:	
	Date

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MHSI-009 Rev.0.0 Proprietary



	Midw & Spec	est Hose	
		rialty, Inc.	
Inte	ernal Hydrosta	atic Test Certificate	
General Info	rmation	Hose Specifi	cations
Customer	PATTERSON B&E	Hose Assembly Type	Choke & Kill
MWH Sales Representative	AMY WHITE	Certification	ΑΡΙ 7Κ
Date Assembled	12/8/2014	Hose Grade	MUD
Location Assembled	ОКС	Hose Working Pressure	10000
Sales Order #	236404	Hose Lot # and Date Code	10490-01/13
Customer Purchase Order #	260471	Hose I.D. (Inches)	3"
Assembly Serial # (Pick Ticket #)	287918-1	Hose O.D. (inches)	5.30"
Hose Assembly Length	20'	Armor (yes/no)	YES
	Fit	tings	
End A	\ \	End B	
Stem (Port and Revision #)	R3.0X64WB	Stem (Part and Revision #)	R3.0X64WB
Stem (Part and Revision #) Stem (Heat #)	R3.0X64WB A141420	Stem (Part and Revision #) Stem (Heat #)	R3.0X64WB A141420
Stem (Port and Revision #) Stem (Heat #) Ferrule (Part and Revision #)	R3.0X64WB A141420 RF3.0	Stem (Part and Revision #) Stem (Hear #) Ferrule (Part and Revision #)	R3.0X64WB A141420 RF3.0
Stem (Port and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #)	R3.0X64WB A141420 RF3.0 37DA5631	Stem (Part and Revision #) Stem (Hear #) Ferrule (Part and Revision #) Ferrule (Heat #)	R3.0X64WB A141420 RF3.0 37DA5631
Stem (Port and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #)	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K	Stem (Part and Revision #) Stem (Hear #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #)	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K
Stem (Port and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Port #) Connection (Heat #)	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K V3579	Stem (Part and Revision #) Stem (Hear #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #) Connection (Heat #)	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K V3579
Stem (Part and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #) Connection (Heat #) Dies Used	R3.0X64WB A141420 RF3.0 37DA5631 4.1/16.10K V3579 5.3	Stem (Part and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #) Connection (Heat #) 7 Dies Used	R3.0X64WB A141420 RF3.0 37DA5631 41/16 10K V3579 5.31
Stem (Part and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #) Connection (Heat #) Dies Used	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K V3579 5.3 Hydrostatic Te	Stem (Part and Revision #) Stem (Hear #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #) Connection (Hear #) 7 Dies Used st Requirements	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K V3579 5.3
Stem (Part and Revision #) Stem (Heat #) Ferrule (Part and Revision #) Ferrule (Heat #) Connection (Part #) Connection (Heat #) Dies Used Test Pressure (psi)	R3.0X64WB A141420 RF3.0 37DA5631 4 1/16 10K V3579 5.3 Hydrostatic Te 15,000	Stem (Part and Revision #) Stem (Hear #) Ferrule (Part and Revision #) Ferrule (Hear #) Connection (Part #) Connection (Hear #) 7 Dies Used St Requirements Hose assembly was tested	R3.0X64WB A141420 RF3.0 37DA5631 41/1610K V3579 5.3 with ambient water

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N	tidwest Hose
<u>ک</u>	Specialty, Inc.
Certifica	te of Conformity
Customer: PATTERSON B&E	Customer P.O.# 260471
Sales Order # 236404	Date Assembled: 12/8/2014
Sp	ecifications
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 material suppl to the requirements of the purchase order and c Supplier:	lied for the referenced purchase order to be true according surrent industry standards.
Oklahoma City, OK 73129 Comments:	
Andwest Hose & Specially, Inc. 3312 S I-35 Service Rd Oklahoma City, OK 73129 Comments:	

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MHSI-009 Rev.0.0 Proprietary



December 9, 2014



MHSI-008 Rev. 2.0 Proprietary

	.		
	Midwe	st Hose	
	Lertificate o	t Conformity	
Customer: PATTERSON B&E		Customer P.O.# 260471	
Sales Order # 236404		Date Assembled: 12/8/2014	
	Specifi	cations	
Hose Assembly Type: Ch	oke & Kill		
Assembly Serial # 28	7918-3	Hose Lot # and Date Code	10490-01/13
Hose Working Pressure (psi) 10		Test Pressure (psi)	15000
We hereby certify that the above ma to the requirements of the purchase Supplier: Midwest Hose & Specialty, Inc.	nterial supplied fo 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			
3312 S I-35 Service Rd Oklahoma City, OK 73129 Comments:			
3312 S I-35 Service Rd Oklahoma City, OK 73129 Comments: Approved By		Date	

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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: DF₁=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).

Production Casing

Collapse: DF_c=1.125

- Full 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.
- 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: 8000 psi casing test 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.
- 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 (0.47 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF₁=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).

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.
- 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).

Production Casing

Collapse: DF_c=1.125

- Full 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.
- 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: 8000 psi casing test 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.
- 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 (0.47 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF₁=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).

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).

Production Casing

Collapse: DF_c=1.125

- Full 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.
- 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: 8000 psi casing test 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.
- 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 (0.47 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).



For the latest performance data, always visit our website: <u>www.tenaris.com</u>

July 15 2015

Tenaris

Connection: TenarisXP[™] BTC **Casing/Tubing**: CAS **Coupling Option**: REGULAR

Size: 5.500 in. Wall: 0.361 in. Weight: 20.00 lbs/ft Grade: P110-IC Min. Wall Thickness: 87.5 %

		PIPE BODY	DATA		
		GEOMET	RY		
Nominal OD	5.500 in.	Nominal Weight	20.00 lbs/ft	Standard Drift Diameter	4.653 in.
Nominal ID	4.778 in.	Wall Thickness	0.361 in.	Special Drift Diameter	N/A
Plain End Weight	19.83 lbs/ft				
		PERFORM	ANCE		
Body Yield Strength	641 x 1000 lbs	Internal Yield	12630 psi	SMY5	110000 psi
Collapse	12100 psi				
	TE:	VARISKP" BTC CO	NNECTION D		
		GEOME	TRY		
Connection OD	6.100 in.	Coupling Length	9.450 in.	Connection ID	4.766 in.
Critical Section Area	5.828 sq. in.	Threads per in.	5.00	Make-Up Loss	4.204 in.
		PERFORM	ANCE	.,l ,,_ ,	
Tension Efficiency	100 %	Joint Yield Strength	641 x 1000 lbs	Internal Pressure Capacity ^(<u>1</u>)	12630 psi
Structural Compression Efficiency	100 %	Structural Compression Strength	641 x 1000 Ibs	Structural Bending ⁽²⁾	92 ° /100 ft
External Pressure Capacity	12100 psi				
	E	STIMATED MAKE-	UP TORQUES	3)	
Minimum	11270 ft-lbs	Optimum	12520 ft-lbs	Maximum	13770 ft-lbs
······		OPERATIONAL LI	IT TORQUES	;	
Operating Torque	21500 ft-lbs	Yield Torque	23900 ft-lbs		

http://premiumconnectiondata.tenaris.com/tsh_print.php?hWall=0.361&hSize=5.500&hGr... 7/15/2015

DS-TenarisHydril TenarisXP BTC-5.500-20.000-P110-IC

BLANKING DIMENSIONS

Blanking Dimensions

(1) Internal Pressure Capacity related to structural resistance only. Internal pressure leak resistance as per section 10.3 API 5C3 / ISO 10400 - 2007.

(2) Structural rating, pure bending to yield (i.e no other loads applied)

(3) Torque values calculated for API Modified thread compounds with Friction Factor=1. For other thread

compounds please contact us at licensees@oilfield.tenaris.com. Torque values may be further reviewed.

For additional information, please contact us at contact-tenarishydril@tenaris.com

http://premiumconnectiondata.tenaris.com/tsh_print.php?hWall=0.361&hSize=5.500&hGr... 7/15/2015

FMSS

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

APD ID: 10400025089

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: NINA CORTELL FED

Well Type: OIL WELL

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

NC_133H_Road_Map_20171130105935.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_133H_New_Road_Map_20171130110006.pdf

New road type: RESOURCE

Length: 808.35

Max slope (%): 0

Max grade (%): 5

Width (ft.): 30

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:

Submission Date: 11/30/2017

Well Number: 133H Well Work Type: Drill

-1.35

Highlighted data reflects the most recent changes

02/20/201.8

SUPO Data Report

Show Final Text

Row(s) Exist? NO

Well Name: NINA CORTELL FED

Well Number: 133H

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_133H_Well_Map_20171130110230.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

Operator Name: MATADOR PRODUC	TION COMPANY
Well Name: NINA CORTELL FED	Well Number: 133H
Water source use type: DUST CON INTERMEDIATE/PRODUCTION CAS CASING	ITROL, Water source type: GW WELL SING, STIMULATION, SURFACE
Describe type:	Source longitude:
Source latitude:	
Source datum:	
Water source permit type: PRIVAT	E CONTRACT
Source land ownership: PRIVATE	
Water source transport method: T	RUCKING
Source transportation land owners	ship: FEDERAL
Water source volume (barrels): 200	000 Source volume (acre-feet): 2.577
Source volume (gal): 840000	
Nater source and transportation map):
NC_133H_Water_Source_Map_201711	30110338.pdf
Nater source comments:	
New water well? NO	
New Water Well II	nfo
Well latitude:	Well Longitude: Well datum:
Well target aquifer:	
Est. depth to top of aquifer(ft):	Est thickness of aquifer:
Aquifer comments:	
Aquifer documentation:	
Vell depth (ft):	Well casing type:
Vell casing outside diameter (in.):	Well casing inside diameter (in.):
New water well casing?	Used casing source:
Drilling method:	Drill material:
Grout material:	Grout depth:
Casing length (ft.):	Casing top depth (ft.):
Nell Production type:	Completion Method:
Water well additional information:	
State appropriation permit:	

.

Well Name: NINA CORTELL FED

Well Number: 133H

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_133H_Construction_Methods_20171130110515.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.)

Well Name: NINA CORTELL FED

Well Number: 133H

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_133H_Well_Site_Layout_20171130110738.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_133H_Recontour_Plat_20171130110753.pdf NC_133H_Interim_Reclamation_Diagram_20171130110803.pdf Drainage/Erosion control construction: Crowned and ditched

Drainage/Erosion control reclamation: Harrowed on the contour

Well pad proposed disturbance	Well pad interim reclamation (acres):	Well pad long term disturbance
(acres): 3.65	0.62	(acres): 3.03
Road proposed disturbance (acres):	Road interim reclamation (acres): 0	Road long term disturbance (acres):
0.56		0.56
Powerline proposed disturbance	Powerline interim reclamation (acres):	Powerline long term disturbance
(acres): 0		(acres): 0
Pipeline proposed disturbance	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance
(acres): 0	Other interim reclamation (acres): 0	(acres): 0
Other proposed disturbance (acres): 0		Other long term disturbance (acres): 0
	Total interim reclamation: 0.62	o ()
Total proposed disturbance: 4.21		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 Number: 133H

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:

Well Name: NINA CORTELL FED

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:	

Well Name: NINA CORTELL FED

Well Number: 133H

Seed use location:

PLS pounds per acre:

Proposed seeding season:

Seed Summary			
Seed Type	Pounds/Acre		

Total pounds/Acre:

Seed reclamation attachment:

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Operator Contact/Respons	ible Official Contact Info
First Name:	Last Name:
Phone:	Email:
Seedbed prep:	
Seed BMP:	
Seed method:	
Existing invasive species? NO	
Existing invasive species treatment des	scription:
Existing invasive species treatment atta	achment:
Weed treatment plan description: To Sta	ate Land Office/BLM standards
Weed treatment plan attachment:	
Monitoring plan description: To State La	and Office/BLM standards
Monitoring plan attachment:	
Success standards: To State Land Office	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: DOD Local Office:

Well Name: NINA CORTELL FED

Well Number: 133H

NPS Local Office:	
State Local Office:	
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:

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:

Well Name: NINA CORTELL FED

Well Number: 133H

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Disturbance type: EXISTING ACCESS ROADDescribe:Surface Owner: STATE GOVERNMENTOther 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 87504Military Local Office:USFWS Local Office:Other 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: DOD Local Office: NPS Local Office: State Local Office:

Page 9 of 11

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

Well Number: 133H

Military Local Office:							
USFWS Local Office:							
Other Local Office:							
USFS Region:							
USFS Forest/Grassland:	USFS Ranger District:						
Fee Owner: Jimmy Mills Trust	Fee Owner Address: 1602 Ave J, Abernathy TX 79311						
Phone: (806)298-2752	Email:						
Surface use plan certification: NO							
Surface use plan certification document:	Surface use plan certification document:						
Surface access agreement or bond: Agreement	Surface access agreement or bond: Agreement						
Surface Access Agreement Need description: S	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 1/8/18 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_133H_General_SUPO_20171130111533.pdf

NC_133H_Surface_Use_Agreement_20171130111540.pdf

NC_133H_Devon_Topsoil_Pile_Deficiency_20180112124245.pdf

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:

PWD disturbance (acres):

PWD disturbance (acres):

Injection well name:

Injection well API number:

AFMSS

U.S. Department of the Interior 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

6 . . . C

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:

Carlsbad Field Office

620 E. Greene St.

Carlsbad, NM 88220-6292

Tracking			en ander hannen ander af en erste an det en fannen an de allerge annande om Versen af Berkenni	-			
Number:	ATS-18	8-198		County:	Lca		
Company:	Matado	r Production Company		Well Name and Number:	LESLIE FED COM-201H		
Surface Hole Location:	295'/S.8	.& 1202'/W. SEC027 T025S, R035E		Bottom Hole Location:	240'/N.& 450'/W. SEC017 T025S, R035E		
Lease Number:	NMNM	1136226	Prod Status:		Effective:		
Bond:	Statewi	de	Bond #:	NMB001079	Potash: No		
NOS Received:	NO		APD Received:	10-5-2017	10-Day LTR Sent:		
Acreage:			Orthodox:	Yes	COM Agr Required: Yes		
Deficiencies Note	ed:	- /					
Form 3160)-3	Survey Plat	Drilling Plan Surfac	e Plan Bonding	Original Signature Operator Cert Statement		
Other Deficiencie	es:						
Adjudication Comments:	<u></u>						
GEO Report Completed	11-28-20	017					
			Technic	al Checklist			
Plat:	okay		Elevation: 3311		-		
Proposed Depth:	TVD:	12493	MD: 17242		Targeted Wolfcamp		
Anticipated Wate Gas, Etc.:	er-Oil,	Fresh water at 270 fee	et; Oil/Gas: Bell Canyon, Cher	ту Canyon, Brushy Canyon,	Bone Spring, and Wolfcamp.		
Casing/Cement P	rogram:	Okay / Okay			······································		
Bottom Hole Mud Weight	12.5		BHP: 8120.45	MASP: 5371.99	-		
			(Horizontal Direct	ional 🔿 Vertical 🔲 Re	e-entry		
Well Control Pro ETC)	g(BOP,	2M below surface cass intermediate casing, a intermediate casing. V surface casing.	ing, 5M below first nd 10M below second /ariance: 10M Multibowl afte:	r Mud Program:	Ok		
Test-Log-Cores I	Program:	Required: See COA.	Proposed: Mud log from 5600	- ' to TD. GR from intermedia	te casing to TD.		
H2S or Other Ha	zards:	H2S no. Possible wat pressure might be end	er flows from the Castile and S ountered upon entering third I	Salado. Possible lost circulat Bonc Spring and subsequent	on in the Rustler, Red Beds, and Delaware. Abnormal , formations.		
Water Basin:	Capitan	<u></u>		· · · · · · · · · · · · · · · · · · ·			
Casings to Witness:			🖌 Surface 🗌 Int	ermediate Production	CIT Required		
		Other Witness	5				
Comments:	Witness	surface casing.			-		
		······································	анани ал — 44° фененски страна и рада на трана и страна и				
,							
Mustafa H	aque	2-22-2018					

Engineer Date Siganture Adjudication Date Adjudicator Initials

Carlsbad Field Office

620 E. Greene St.

Carlsbad, NM 88220-6292

Tracking Number	ATS-18-199			County:	Lea		
Company: Matador Production		r Production Company	,	Well Name and Number:	LESLIE FED COM-203H 240'/N.& 990'/E. SEC017 T020S, R034E		
Surface Hole Location:	urface Hole 390'/S.& 584'/E. SEC017		5S, R035E	Bottom Hole Location:			
Lease Number:	NMNM	136226	Prod Status:		Effective:		
Bond:	Statewie	de	Bond #:	NMB001079	Potash:	No	
NOS Received:	NO		APD Received:	10-5-2017	10-Day LTR Sent:		
Acreage:			Orthodox:	No	COM Agr Required:	Yes	
Deficiencies Note	ed:	มประเทศสาราช เพราะสาราช เมตราย เมตราย (การาช การาช (การาช (การาช (การาช (การาช (การาช (การาช (การาช (การาช (กา	al de la la companya de la companya de la competencia de la companya de la companya de la companya de la compan La companya de la comp	na ya anana katala atala katala k	and in the second strength with the second of	ชาวสาวสารของพระประมารากระบบราชาวิทยาราชสุดภาพระสุดสารการการกรรมและสารกรณ์สารกรณ์สารกรณ์สารสารสารสารสารสารกรณ์ -	
Form 3160)-3	Survey Plat	Drilling Plan 🗌 Surfac	e Plan 🔲 Bonding	Original	Signature Operator Cert Statement	
Other Deficiencie	es:						
Adjudication						··· ·· ·· ··	
GEO Report Completed	11-28-20)17			·····		
			-				
		a and a second secon	Technic	al Checklist	anta da parte a ser a	i na seni sa sara si na sa	
Plat:	ok		Elevation: 3254	· · · · · · · · · · · · · · · · · · ·	_		
Proposed Depth:	TVD:	12472	MD: 17236		Targeted Formation:	Wolfcamp	
Anticipated Wate Gas, Etc.:	er-Oil,	Expected fresh water	above 270 ft/ Oil-Gas: Delawa	are, Bone Spring, and Wolfc	amp		
Casing/Cement P	rogram:	OK / OK					
Bottom Hole Mud Weight	12.5		BHP: 8106.8	MASP: 5362.96	_		
			(b) Horizontal () Direct	ional () Vertical [] R	e-entry		
Well Control Pro ETC)	g(BOP,	Using 10M mulitbow to test to 2,000 psi aft psi after 1st intermed the 2nd intermediate annular testing to 5,00	I, however they are requesting ter surface casing, and 5,000 iate casing and 10,000 psi after w/ a variance to use a 5M 00 psi.	r Mud Program:	Ok		
Test-Log-Cores I	Program:	No core or drill stem	tests planned/ mud logs are pla	anned as well as CBLw/ CCI	L and GR.		
H2S or Other Ha	zards:	H2S no. Possibility o Delaware formations. formations.	f water flows in the Castile and Abnormal pressure may be er	d Salado formations. Possibi acountered upon penetrating	lity of lost circu the 3rd Bone S	ulation in the Rustler, Red Beds, and pring Sandstone and all subsequent	
Water Basin:	Carlsbad						
Casings to Witness:			Surface Inte	crmediate Production	CIT Req	uired	
		Other Witnes	s				
Comments:					-		
Jennifer Sanchez		1-25-2018					
Engineer		Date	Siganture '	Adjudication Da	ate	Adjudicator Initials	

Carlsbad Field Office

620 E. Greene St. Carlsbad, NM 88220-6292

Tracking	A TO 1/	7 70							
Number:	A 15-17-70		·,	County:					
Company: Surface Hole	Matado	ador Operating Co.		- <u></u> '	Well Name and Number:		LESLIE FED COM-217H		
Location:	300'/S.	& 2085'/E. SEC017 T0	25S, R035E	I	Bottom Hole	Location:	240'/N.& 213	30'/E. SEC017 T025S, R035E	
Lease Number:	NMNN	1136226	Prod Status:				Effective:		
Bond:	Statewi	de	Bond #:	1	NMB001079)	Potash:	No	
NOS Received:	YES		APD Received:	٤ -	3-31-2017		10-Day LTR Sent:		
Acreage:			Orthodox:	1	No		COM Agr Required:	Yes	
Deficiencies Note	ed:						-		
Form 3160)-3	Survey Plat	Drilling Plan	Surface I	Plan	Bonding [Original	Signature Decrator Cert Statemen	
Other Deficiencie	es:								
Adjudication								· · · · · · · · · · · · · · · · · · ·	
GEO Report Completed	10-12-2	017						······	
				Technica	l Checkl	ist		••	
Plat:	ok		Elevation: 3279	9				¥	
Proposed Depth:	TVD:	12563	MD: 1728	82			Targeted	Wolfcamp	
Anticipated Wate Gas, Etc.:	er-Oil,	Expected fresh water	above 965 ft/ Oil	l-Gas: Delaware	, Bone Sprin	ng, and Wolfca	mp	- <u></u>	
Casing/Cement P	rogram:	OK / OK	<u></u>					······································	
Bottom Hole Mud Weight	12.5		BHP: 8165	5.95	MASP: 54	102.09	_		
			Borizonta	al () Direction	nal () Vei	rtical Re	e-entry		
Well Control Pro ETC)	g(BOP,	Using 10M mulitbow to test to 2,000 psi aff psi after 1st intermed the 2nd intermediate annular testing to 5,0	d, however they a ter surface casing iate casing and 10 w/ a variance to u 00 psi.	are requesting 9, and 5,000 0,000 psi after 1 use a 5M	Mud Program	m:	Ok		
Test-Log-Cores F	Program:	No core or drill stem	tests planned/ mu	ud logs are planr	ned as well a	as CBLw/ CCL	and GR.	-	
H2S or Other Ha	zards:	H2S no. Possibility o Delaware formations formations.	f water flows in t Abnormal press	the Castile and S ure may be enco	alado forma ountered upo	tions. Possibil	ity of lost circu the 3rd Bone S	ulation in the Rustler, Red Beds, and pring Sandstone and all subsequent	
Water Basin:	Carlsbac	1							
Casings to Witness:			🖌 Surf	face 🔲 Interr	nediate	Production	CIT Req	uircd	
		Other Witnes	s						
Comments:									
				<u></u>					
Jennifer Sanchez		1-25-2018							
Engineer		Date	Siga	inture	A	djudication Da	te	Adjudicator Initials	

12 1

Carlsbad Field Office

620 E. Greene St.

Carlsbad, NM 88220-6292

Tracking	ATS-17			County:	Lea
Number:	Matador Operating Co. Well Name and Number ce Hole 150'/S.& 2118'/E. SEC003 T022S, R032E Bottom Hole Location:		NINA CORTELL FED -133H 240'/N.& 2313'/E. SEC003 T022S, R032E		
Surface Hole Location:					
Lease Number:	NMNM	1135247	Prod Status:		Effective:
Bond:	Statewi	de	Bond #:	NMB001079	Potash: SEC
NOS Received:	YES		APD Received:	11-30-2017	10-Day LTR 1-3-2018
Acreage:			• Orthodox:	Yes	COM Agr No Required:
Deficiencies Not	ed:				n an ann an ann an ann ann ann ann ann
Form 3160	0-3	Survey Plat	Drilling Plan Su	rface Plan 🔲 Bonding	Original Signature Operator Cert Statement
Other Deficienci	es:	. <u></u>			
Adjudication Comments:					
GEO Report Completed	2-9-2018	8			
			Tech	nical Checklist	
Plat:	ok		Elevation: 3806		
Proposed Depth:	TVD:	11944	MD: 16689		Targeted Bone Spring
Anticipated Wate Gas, Etc.:	er-Oil,	Fresh water above 36	60 feet. Oil/Gas: Bell Canyo	on, Cherry Canyon, Brushy C	anyon, and Bone Spring.
Casing/Cement F	Program:	Okay / Okay			
Bottom Hole Mud Weight	9		BHP: 5589.792	MASP: 2962.112	_
			🖲 Horizontal 🔿 Di	rectional 🔿 Vertical 🔲	Re-entry
Well Control Pro ETC)	og(BOP,	2M BOP after surfac intermediate casing. surface casing.	e casing, 5M BOP after Variance: 5M multibowl af	ter Mud Program:	Ok
Test-Log-Cores	Program:	Required: See COA.	Proposed: Mud log from 50	000' to TD. GR from interme	diate casing to TD.
H2S or Other Ha	zards:	H2S no. Secretary's I Possible lost circulat	Potash. Abnormal pressure tion in the Rustler, Red Beds	might be encountered upon e s, and Delaware. Possible wa	ntering third Bone Spring and subsequnet fomations. ter flows from the Salado, and Castile.
Water Basin:	Carlsbac	d		·	
Casings to Witness:			Surface 🖌	Intermediate Production	on CIT Required
		Other Witnes	S		
Comments:	Witness	surface and intermedia	ate casing.		
<u> </u>			<u>, , , , , , , , , , , , , , , , , , , </u>	na n	en en en en de la fantañ en
Mustafa H	laque	2-10-2018			
Engineer	1	Date	Siganture	Adjudication	Date Adjudicator Initials