

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Caza proposes to change the BHL and the spacing unit for the well. Attached is the C-102. No new surface and no change to the well plan. This Sundry was submitted a while back but must have been deleted in AFMSS due to a glitch.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) STEVE MORRIS / Ph: (985) 415-9729	Title Engineer
Signature	Date 12/01/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 12/16/2022
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law 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, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the 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., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

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

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

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 St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-47452	² Pool Code 98234	³ Pool Name WC-025 G-08 S2535340; Bone Spring
⁴ Property Code 328896	⁵ Property Name COMANCHE 25-36 FEDERAL STATE	
⁷ OGRID No. 249099	⁸ Operator Name CAZA OPERATING LLC	⁶ Well Number 4H ⁹ Elevation 2946'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	26S	35E		350	NORTH	1425	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H (L 1)	36	26S	35E		40	SOUTH	955	EAST	LEA

¹² Dedicated Acres 233.22	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Corner Coordinates NAD 83, SPCS NM EAST
 A - X: 856343.04' / Y: 373028.15'
 B - X: 857659.24' / Y: 373038.97'
 C - X: 857736.50' / Y: 365344.98'
 D - X: 856411.82' / Y: 365332.23'

Corner Coordinates NAD 27, SPCS NM EAST
 A - X: 815154.51' / Y: 372970.77'
 B - X: 816470.70' / Y: 372981.58'
 C - X: 816547.67' / Y: 365287.80'
 D - X: 815223.00' / Y: 365275.06'

Surface Hole Location
 350' FNL 1425' FEL, SECTION 25
 NAD 83, SPCS NM EAST
 X: 856238.05' / Y: 372677.38'
 LAT: 32.02050011N / LON: 103.31728337W
 NAD 27, SPCS NM EAST
 X: 815049.51' / Y: 372620.01'
 LAT: 32.02037275N / LON: 103.31682587W

Kick Off Point / First Take Point
 100' FNL 940' FEL, SECTION 25
 NAD 83, SPCS NM EAST
 X: 856720.30' / Y: 372931.25'
 LAT: 32.02118541N / LON: 103.31571983W
 NAD 27, SPCS NM EAST
 X: 815531.77' / Y: 372873.86'
 LAT: 32.02105803N / LON: 103.31526234W

Last Take Point
 100' FSL 955' FEL, SECTION 36
 NAD 83, SPCS NM EAST
 X: 856780.56' / Y: 365435.78'
 LAT: 32.00058209N / LON: 103.31575309W
 NAD 27, SPCS NM EAST
 X: 815591.74' / Y: 365378.61'
 LAT: 32.00045462N / LON: 103.31529664W

Bottom Hole Location
 40' FSL 955' FEL, SECTION 36
 NAD 83, SPCS NM EAST
 X: 856781.15' / Y: 365375.79'
 LAT: 32.00041717N / LON: 103.31575301W
 NAD 27, SPCS NM EAST
 X: 815592.32' / Y: 365318.61'
 LAT: 32.00028970N / LON: 103.31529657W

¹⁷ OPERATOR CERTIFICATION
 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Steve Morris*
 Date: 11/8/2019

Printed Name: Steve Morris
 E-mail Address: steve.morris@morcoreengineering.com

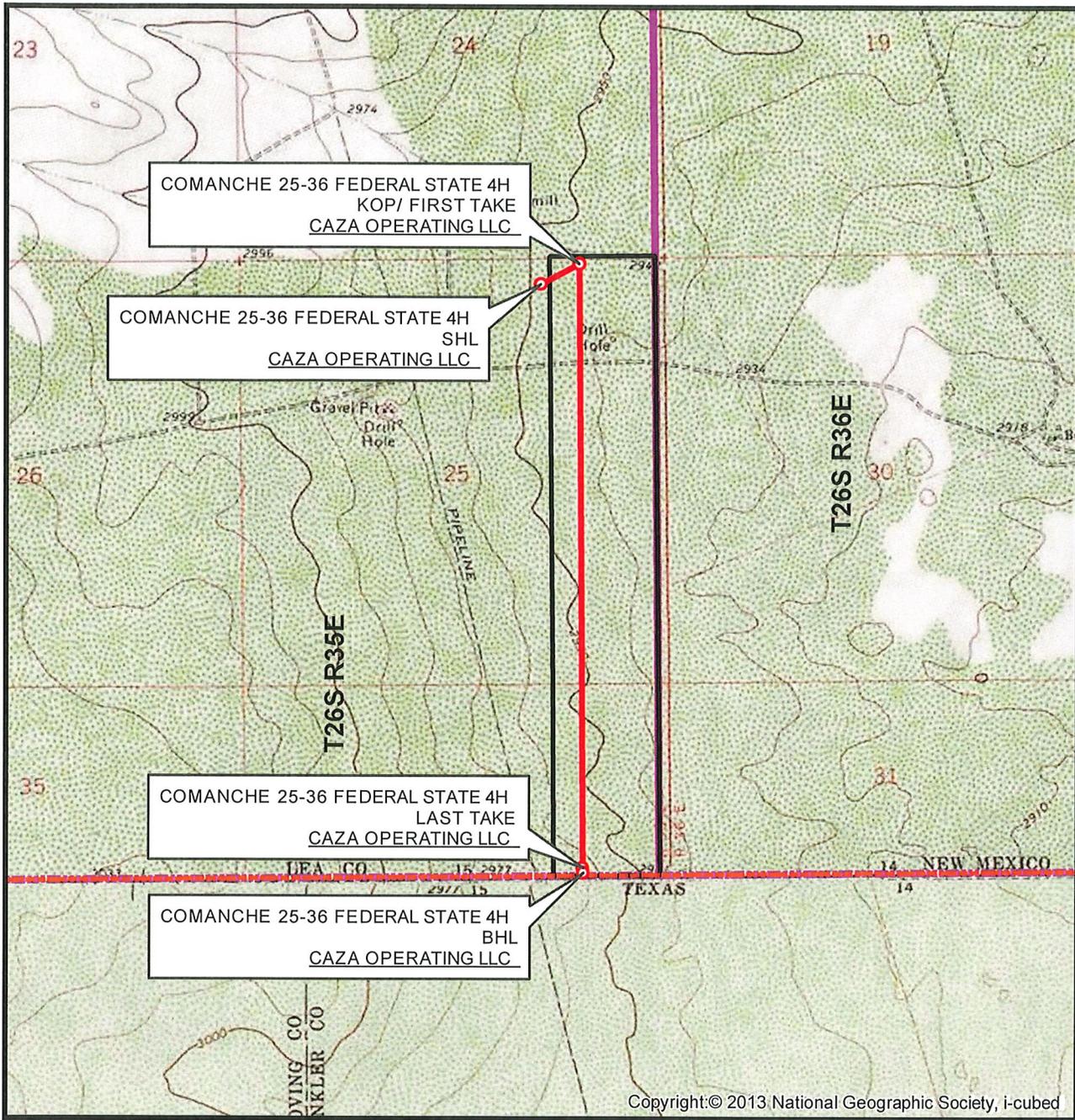
¹⁸ SURVEYOR CERTIFICATION
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

NOVEMBER 5, 2019
 Date of Survey

Signature and Seal of Professional Surveyor: *Lloyd P. Short*
 Certificate Number: LLOYD P. SHORT 21653

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99988291 Convergence: 00°32'08.45268"

LOCATION VERIFICATION MAP



SEC. 25 TWP. 26-S RGE. 35-E
 SURVEY: N.M.P.M.
 COUNTY: LEA
 OPERATOR: CAZA OPERATING LLC
 DESCRIPTION: 350' FNL & 1425' FEL
 ELEVATION: 2946'
 LEASE: COMANCHE 25-36 FEDERAL STATE
 U.S.G.S. TOPOGRAPHIC MAP: JAVELINA BASIN, NM, TX.

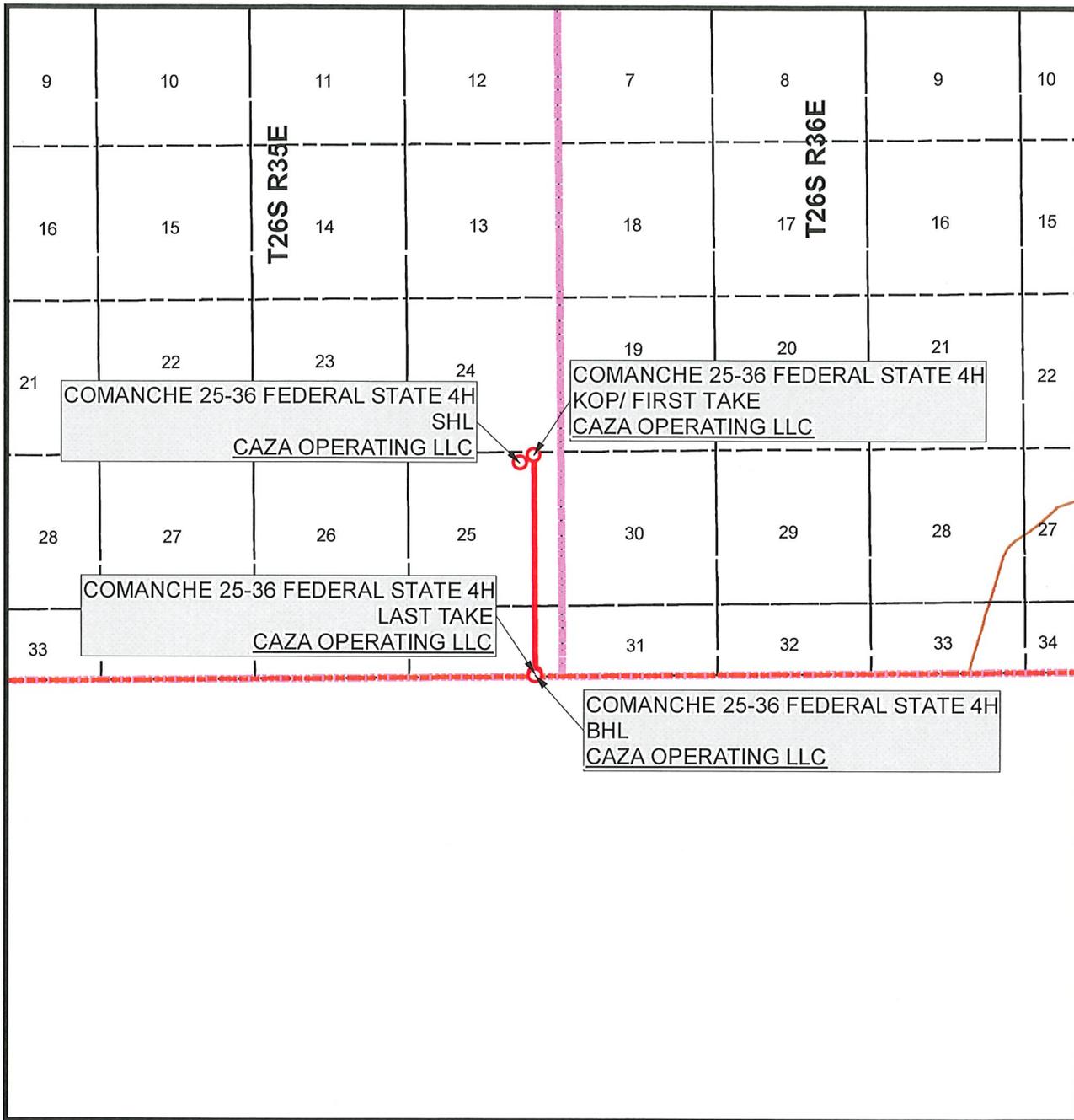
1" = 2,000'
 CONTOUR INTERVAL = 10'



SHEET 2 OF 3

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-6900 OFFICE
 JOB No. R4029_001_D

VICINITY MAP



SEC. 25 TWP. 26-S RGE. 35-E
 SURVEY: N.M.P.M.
 COUNTY: LEA
 OPERATOR: CAZA OPERATING LLC
 DESCRIPTION: 350' FNL & 1425' FEL
 ELEVATION: 2946'
 LEASE: COMANCHE 25-36 FEDERAL STATE
 U.S.G.S. TOPOGRAPHIC MAP: JAVELINA BASIN, NM,TX.

1" = 1 MILE



SHEET 3 OF 3

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-6900 OFFICE
 JOB No. R4029_001_D

Operator	Caza Operating LLC
Well Name & No.	Comanche 4H
County	Lea
Location (S/T/R/Alt)	
Lease Number	
ATS or EC #	

Colors:
Choose casings
Fill in, if applicable

Name	
Date	
Version	

Remarks	
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ral 6H Lea NM114998 Caza Operating LLC 13-22 10052019 LV

APD### or EC###

Type of Casing	Size of Hole (in)	Size of Casing (in)	Weight per Foot (lbs/ft)	Grade	Yield	Coupling #:	Top (ft)	Bottom (MD) (ft)	Setting Depth (TVD) (TVD of entire string) (ft)	Min Mud Weight (ppg)	Max Mud Weight (ppg)	ID	Drift ID	Cplg OD
Surface	17.500	13.375	54.50	j	55	stc	0	794	794	8.40	8.90	12.6150	12.4900	14.3750
Int 1	12.250	9.625	40.00	hcl	80	btc	0	7200	9150	9.20	10.00	8.8350	8.7500	10.6250
Int 1 Taper 1	12.250	9.625	47.00	hcl	80	btc	7200	9165	9150	9.20	10.00	8.6810	8.6250	10.6250
<Choose Casing>														
Prod 1	8.500	5.500	20.00	p	110	btc	0	19215	11977	9.20	12.50	4.7780	4.6530	6.0500
<Choose Casing>														
<Choose Casing>														

Cement														
Surface			Int 1			Prod 1			<Choose Casing>			<Choose Casing>		
TOC	0		TOC	0		TOC	0		TOC			TOC		
DV Depth			DV Depth	4900		DV Depth			DV Depth			DV Depth		
	Sacks	Yield (ft3/sx)			Yield (ft3/sx)		Sacks	Yield (ft3/sx)		Sacks	Yield (ft3/sx)		Sacks	Yield (ft3/sx)
Lead	355	1.93	Lead	1105	2.13	Lead 1	2475	2.38	Lead 1			Lead 1		
Tail	309	1.35	Tail	232	1.35	Tail 1	2270	1.62	Tail 1			Tail 1		
DV Lead			DV Lead	1395	2.13	DV Lead			DV Lead			DV Lead		
DV Tail			DV Tail	150	1.35	DV Tail			DV Tail			DV Tail		
Cmt Added	1102.30	cuft	Cement Added	2666.9 / 3173.9		Cement Added	9567.90	cuft	Cement Added	#N/A	cuft	Cement Added	#N/A	cuft
Cmt Req.	552	cuft	Cement Req.	1335.7 / 1573.9		Cement Req.	4663	cuft	Cement Req.	0	cuft	Cement Req.	0	cuft
Excess	99.86%		Excess	99.7% / 101.7%		Excess	105.19%		Excess	#N/A		Excess	#N/A	

Clearances	in Hole	In Surface	In Int 1	In Int 1 Taper 1	In Prod 1
Surface	Pass = 1.5625				
Int 1	Pass = 0.8125	Pass = 0.995			
Int 1 Taper 1	Pass = 0.8125	No Overlap	No Overlap		
Prod 1	Pass = 1.225	Pass = 3.2825	Pass = 1.3925	Pass = 1.3155	No Overlap

Safety Factors	Joint/Body	Collapse	Burst	Alt Burst
Surface	11.88	3.08	0.57	1.00
Int 1	2.41	1.13	0.74	1.12
Int 1 Taper 1	11.76	1.49	0.88	1.34
Prod 1	2.68	1.42	1.63	2.46

BOP Requirements After the Shoe					
Surface		Int 1		Prod 1	
Max. Surf. Pressure	2740 psi	Max. Surf. Pressure	5142 psi	Max. Surf. Pressure	psi
BOP Required	3M System	BOP Required	10M System	BOP Required	System
<Choose Casing>					
Max. Surf. Pressure	psi				
BOP Required	System				

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 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 167927

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 167927
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	o OCD is accepting this for record as part of an effort to clean up the well history this well is part of an active NOV. o OCD accepts this NOI sundry as a SR as the events already took place.	1/9/2023