

Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action APD Change
Date Sundry Submitted: 01/12/2021	Time Sundry Submitted: 05:11
Date proposed operation will begin: 01/17/2021	
Procedure Description: Caza proposes to change the target formation from Wolfcamp (WC-025 G-09 S263619C) to 3rd Bone Spring (WC-025 G-08 S253534O). The drilling plan will not change. Cement volumes will be adjusted accordingly.	

Application

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Section 1 - General

APD ID: 10400046052	Tie to previous NOS? N	Submission Date: 08/29/2019
BLM Office: CARLSBAD	User: STEVE MORRIS	Title: Engineer
Federal/Indian APD: FED	Is the first lease penetrated for production Federal or Indian? FED	
Lease number: NMNM125402	Lease Acres:	
Surface access agreement in place?	Allotted?	Reservation:
Agreement in place? NO	Federal or Indian agreement:	
Agreement number:		
Agreement name:		
Keep application confidential? Y		
Permitting Agent? NO	APD Operator: CAZA OPERATING LLC	
Operator letter of designation:		

Operator Info

Operator Organization Name: CAZA OPERATING LLC		
Operator Address: 200 N. Loraine Street, Suite 1550	Zip: 79701	
Operator PO Box:		
Operator City: Midland	State: TX	
Operator Phone: (432)682-7424		
Operator Internet Address:		

Section 2 - Well Information

Well in Master Development Plan? NEW	Master Development Plan name: Comanche 25-36 Fed State Com	
Well in Master SUPO?	Master SUPO name:	
Well in Master Drilling Plan?	Master Drilling Plan name:	
Well Name: COMANCHE 25-36 FED STATE COM	Well Number: 3H	Well API Number:
Field/Pool or Exploratory? Field and Pool	Field Name: WC-025 G-09 S263504N	Pool Name: WC-025 G-09 S263619C
Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL		
Is the proposed well in a Helium production area? N	Use Existing Well Pad? Y	New surface disturbance? N
Type of Well Pad: MULTIPLE WELL	Multiple Well Pad Name: COMANCHE 25-36 FED STATE COM	Number: 1H
Well Class: HORIZONTAL	Number of Legs: 1	
Well Work Type: Drill		
Well Type: OIL WELL		

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Operator: CAZA OPERATING LLC

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

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 9 Miles

Distance to nearest well: 30 FT

Distance to lease line: 350 FT

Reservoir well spacing assigned acres Measurement: 240 Acres

Well plat: COMANCHE\_25\_36\_FEDERAL\_STATE\_3H\_\_C\_102\_signed\_20191108100655.pdf

Well work start Date: 03/14/2020

Duration: 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: R4029\_001\_C

Reference Datum: RIG FLOOR

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
SHL Leg #1	350	FNL	1450	FEL	26S	35E	25	Aliquot NWNE	32.0205008	-103.3173637	LEA	NEW MEXICO	NEW MEXICO	F	NMNM125402	2940	0	0	Y
KOP Leg #1	6	FNL	2265	FEL	26S	35E	25	Aliquot NWNE	32.021466	-103.319984	LEA	NEW MEXICO	NEW MEXICO	F	NMNM125402	-6423	9379	9363	Y
PPP Leg #1-1	133	FNL	2280	FEL	26S	35E	25	Aliquot NWNE	32.02111	-103.319024	LEA	NEW MEXICO	NEW MEXICO	F	NMNM125402	-6182	9151	9122	Y
PPP Leg #1-2	0	FNL	2280	FEL	26S	35E	36	Aliquot NWNE	32.006969	-103.32001	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-9885	17924	12825	Y

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Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this lease?
EXIT Leg #1	100	FSL	2280	FEL	25S	36E	36	Lot 2	32.0005812	-103.3200269	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-9885	20240	12825	Y
BHL Leg #1	40	FSL	2280	FEL	25S	36E	36	Lot 2	32.0004163	-103.3200269	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-9885	20340	12825	Y

Drilling Plan

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1376163		2962	0	0	OTHER : Quaternary	NONE	N
1376164		2268	694	694	DOLOMITE, LIMESTONE, OTHER, SILTSTONE : carbonate	USEABLE WATER	N
1376165		2143	819	819	SALT	NONE	N
1376166		-1739	4701	4701	SALT	NONE	N
1376167		-2080	5042	5049	CONGLOMERATE, LIMESTONE, SANDSTONE	NATURAL GAS, OIL	N
1376168		-4506	7468	7488	CONGLOMERATE, LIMESTONE, SANDSTONE	NATURAL GAS, OIL	N
1376169		-5806	8768	8795	DOLOMITE, LIMESTONE, OTHER, SANDSTONE : Dolomite	NONE	N
1376170		-7557	10519	10556	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
1376171	DEAN SAND	-7903	10865	10904	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
1376172		-8810	11772	11816	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N
1376173		-9122	12084	12129	SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

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Operator: CAZA OPERATING LLC

Pressure Rating (PSI): 10M

Rating Depth: 18000

Equipment: Rotating head with a rating of 500psi will be used. A remote kill line and gas buster will be used

Requesting Variance? YES

**Variance request:** Variance is requested for the use of a coflex hose for the choke line to from the BOP to the choke manifold. A variance is requested to use 1502(15,000psi working pressure) hammer unions downstream of the Choke Manifold used to connect the mud/gas separator and panic line. See choke manifold diagram Variance is requested to have a 5M Annular which will be tested to 100% working pressure. Prior to drilling into the producing zone the mud weight will be 12.2ppg. Flow checks will be conducted every connection. Pit drills will be performed each tour. If the well flows the upper pipe rams will be used to shut in the well. The wait and weight method will be used to kill the well in the event of a kick.

**Testing Procedure:** Minimum Working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 13-3/8 inch casing shoe shall be 10000 (10M) psi. 10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips the minimum wait time before cut-off is eight hours after bumping the pug. BOP/BOPE testing can begin after cut-off or once cement reaches 500PSI compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified). The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater prior to initiating the test (see casing segment as lead cement may be critical item). a. The results of the test shall be reported to the appropriate BLM office. b. All Tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office. c. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

**Choke Diagram Attachment:**

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Choke\_Schematic\_20191105060414.pdf

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Coflex\_Hyd\_Test\_Cert\_20191105060414.pdf

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Coflex\_Hose\_Test\_Chart\_20191105060416.pdf

**BOP Diagram Attachment:**

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_BOP\_Schematic\_20191105060424.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
1	CONDUCTOR	26	20.0	NEW	API	N	0	120	0	120	2940	2820	120	H-40	94	SLIM LINE HIGH PERFORMANCE					
2	SURFACE	17.5	13.375	NEW	API	N	0	794	0	794	2940	2146	794	J-55	54.5	ST&C	3.08	1	DRY	11.88	DRY

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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
3	INTERMEDIATE	12.25	9.625	NEW	API	N	0	7200	0	7181	2940	-4241	7200	HCL-80	40	BUTT	1.13	1.04	DRY	2.41	DRY
4	INTERMEDIATE	12.25	9.625	NEW	API	N	7200	9172	7181	9150	-4241	-6210	1972	HCL-80	47	BUTT	1.49	1.25	DRY	11.71	DRY
5	PRODUCTION	8.5	5.5	NEW	API	N	0	20340	0	12824	2940	-9884	20340	P-110	20	BUTT	1.33	2.3	DRY	2.5	DRY

Casing Attachments

Casing ID: 1

String Type:CONDUCTOR

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2

String Type:SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Casing\_and\_Cement\_Design\_20191108101948.pdf

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Casing Attachments

Casing ID: 3String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Casing\_and\_Cement\_Design\_20191108102021.pdf

Casing ID: 4String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Casing\_and\_Cement\_Design\_20191108103333.pdf

Casing ID: 5String Type:PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Casing\_and\_Cement\_Design\_20191108101929.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
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Allottee or Tribe Name:

Unit or CA Number:

Operator: CAZA OPERATING LLC

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
CONDUCTOR	Lead		0	120	140	1.35	14.8	140	5	Class C	CaCL2

SURFACE	Lead		0	494	355	1.93	13.5	685	100	Class C	4% bwoc Bentonite II + 2% bwoc Calcium Chloride + 0.25 lbs/sack Cello Flake + 0.005% bwoc Static Free + 0.005 gps FP- 6L
SURFACE	Tail		494	794	309	1.35	14.8	417	100	Class C	CaCL2
INTERMEDIATE	Lead	4900	0	4800	1395	2.13	12.6	2971	100	Class C	(35:65) + Poz (Fly Ash) + 4% bwoc Bentonite II + 5% bwoc MPA-5 + 0.25% bwoc FL-52 + 5 lbs/sack LCM- 1 + 0.125 lbs/sack Cello Flake + 0.005 lbs/sack Static Free + 0.005 gps FP-6L + 1.2% bwoc Sodium Metasilicate + 5% bwow Sodium Chloride
INTERMEDIATE	Tail		4800	4900	150	1.35	14.8	225	100	Class C	CaCl2
INTERMEDIATE	Lead	4900	4900	8672	1105	2.13	12.6	2353	100	Class c	(35:65) + Poz (Fly Ash) + 4% bwoc Bentonite II + 5% bwoc MPA-5 + 0.25% bwoc FL-52 + 5 lbs/sack LCM- 1 + 0.125 lbs/sack Cello Flake + 0.005 lbs/sack Static Free + 0.005 gps FP-6L + 1.2% bwoc Sodium Metasilicate + 5% bwow Sodium Chloride
INTERMEDIATE	Tail		8672	9172	232	1.35	14.8	313	100	Class C	CaCl2
PRODUCTION	Lead		0	11500	2475	2.38	11.8	5890	100	Class H	(50:50) + Poz (Fly Ash) + 10% bwoc Bentonite II + 5% bwow Sodium Chloride + 5 lbs/sack LCM-1 + 0.005 lbs/sack Static Free + 0.005 gps FP-6L
PRODUCTION	Tail		11500	20340	3054	1.62	13.2	4947	100	Class C	(15:61:11) Poz (Fly Ash):Class H Cement:CSE-2 + 4% Sodium Chloride + 3



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Allottee or Tribe Name:

Unit or CA Number:

Operator: CAZA OPERATING LLC

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
											LCM-1 + 0.6% bwoc FL-25 + FP-6L + 0.005% bwoc Static Free

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: Sufficient mud will be on location to control any abnormal conditions encountered. Such as but not limited to a kick, lost circulation and hole sloughing

Describe the mud monitoring system utilized: A Pason PVT system will be rigged up prior to spudding the well. A volume monitoring system that measures, calculates, and displays readings from the mud system on the rig to alert the rig crew of impending gas kicks and lost circulation issues. Components a) PVT Pit Bull monitor: Acts as the heart of the system, containing all the controls, switches, and alarms. Typically, it is mounted near the driller's console. b) Junction box: Provides a safe, convenient place for making the wiring connections. c) Mud probes: Measure the volume of drilling fluid in each individual tank. d) Flow sensor: Measures the relative amount of mud flowing in the return line

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	794	SPUD MUD	8.4	8.9	62.8	0.1	9.5	2	0	0	
794	9150	SALT SATURATED	9.2	10	75	0.1	9.5	2	150000	0	
9150	12824	OIL-BASED MUD	9.2	12.5	90	0.4	9.5	6	135000	18	

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Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:  
no production tests

List of open and cased hole logs run in the well:  
GAMMA RAY LOG,DIRECTIONAL SURVEY,MEASUREMENT WHILE DRILLING,MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:  
no coring

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 8328      Anticipated Surface Pressure: 5506

Anticipated Bottom Hole Temperature(F): 169

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:  
Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_H2S\_Plan\_20190824060630.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

190819\_Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Directional\_Plot\_20190824060651.pdf  
190819\_Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Directional\_Plan\_20190824060652.pdf

Other proposed operations facets description:  
A multi bowl well head will be used. There is a 1-5/8" slot for a grout string on the 13-3/8" hanger if required.

Other proposed operations facets attachment:  
Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Closed\_Loop\_Diagram\_Design\_Plan\_20190824060712.pdf  
Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Closed\_Loop\_Design\_Operating\_and\_Closure\_Plan\_20190824060712.pdf  
Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Gas\_Capture\_Plan\_20190824060713.pdf  
Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Multi\_Bowl\_Wellhead\_20191105062156.pdf

Other Variance attachment:  
Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Multi\_Bowl\_Wellhead\_20191108102611.pdf

SUPO

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Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Vicinity\_and\_Existing\_Road\_Map\_20191108102641.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

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:

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_New\_Road\_Map\_20191108102705.pdf

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_New\_Road\_Cross\_Section\_Map\_20191108102707.pdf

New road type: RESOURCE

Length: 748 Feet

Width (ft.): 24

Max slope (%): 2

Max grade (%): 2

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: storm water diversion berm will be used for erosion control

New road access plan or profile prepared? Y

New road access plan attachment:

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_New\_Road\_Cross\_Section\_Map\_20191108102743.pdf

Access road engineering design? N

Access road engineering design attachment:

Turnout? N

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: 6" of packed caliche

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Access onsite topsoil source depth: 3

Offsite topsoil source description:

Onsite topsoil removal process: Top soil will be removed by blading with a dozer

Access other construction information:

Access miscellaneous information:

Number of access turnouts: Access turnout map:

Drainage Control

New road drainage crossing: OTHER

Drainage Control comments: storm water diversion berm will be used for drainage control

Road Drainage Control Structures (DCS) description: storm water diversion berm will be used for erosion control

Road Drainage Control Structures (DCS) attachment:

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_New\_Road\_Cross\_Section\_Map\_20191108102733.pdf

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_1\_Mile\_Radius\_Wells\_Map\_20191108102830.pdf

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

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: A central production facility will be used for all wells on the pad. The facility will have a flare, 16 - 500bbl steel tanks for oil and and produced water, 4 - 3 phase metered separators, 4 - FWKO's, and 4 heaters.  
Production Facilities map:

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Production\_Facility\_Map\_20191108102846.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: GW WELL

Water source use type: STIMULATION  
SURFACE CASING  
INTERMEDIATE/PRODUCTION CASING

Source latitude: 32.107143 Source longitude: -103.30588

Source datum: NAD83

<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 3H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM125402	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 00	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> CAZA OPERATING LLC

STIMULATION  
SURFACE CASING  
INTERMEDIATE/PRODUCTION CASING  
PRIVATE CONTRACT

**Water source permit type:**

**Water source transport method:** TRUCKING

**Source land ownership:** PRIVATE

**Source transportation land ownership:** PRIVATE

**Water source volume (barrels):** 400000

**Source volume (acre-feet):** 51.55723853

**Source volume (gal):** 16800000

**Water source type:** GW WELL

**Water source use type:** STIMULATION  
SURFACE CASING  
INTERMEDIATE/PRODUCTION CASING

**Source latitude:** 30.107143

**Source longitude:** -103.30588

**Source datum:** NAD83

**Water source permit type:** PRIVATE CONTRACT

**Water source transport method:** TRUCKING

**Source land ownership:** PRIVATE

**Source transportation land ownership:** PRIVATE

**Water source volume (barrels):** 400000

**Source volume (acre-feet):** 51.55723853

**Source volume (gal):** 16800000

**Water source type:** GW WELL

**Water source use type:** SURFACE CASING  
STIMULATION  
INTERMEDIATE/PRODUCTION CASING

**Source latitude:** 30.107143

**Source longitude:** -103.30588

**Source datum:** NAD83

**Water source permit type:** PRIVATE CONTRACT

<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	<b>County or Parish/State:</b> LEA / NM
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<b>US Well Number:</b> 00	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> CAZA OPERATING LLC

SURFACE CASING  
STIMULATION  
INTERMEDIATE/PRODUCTION CASING

**Water source transport method:** TRUCKING

**Source land ownership:** PRIVATE

**Source transportation land ownership:** PRIVATE

<b>Water source volume (barrels):</b> 400000	<b>Source volume (acre-feet):</b> 51.55723853
<b>Source volume (gal):</b> 16800000	

**Water source and transportation map:**  
Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Caliche\_and\_Water\_Supply\_Map\_20190824061101.pdf

**Water source comments:** S30 T25S R36E NENW

**New water well?** N

New Water Well Info

<b>Well latitude:</b>	<b>Well Longitude:</b>	<b>Well datum:</b>
<b>Well target aquifer:</b>		
<b>Est. depth to top of aquifer(ft):</b>	<b>Est thickness of aquifer:</b>	
<b>Aquifer comments:</b>		
<b>Aquifer documentation:</b>		
<b>Well depth (ft):</b>	<b>Well casing type:</b>	
<b>Well casing outside diameter (in.):</b>	<b>Well casing inside diameter (in.):</b>	
<b>New water well casing?</b>	<b>Used casing source:</b>	
<b>Drilling method:</b>	<b>Drill material:</b>	
<b>Grout material:</b>	<b>Grout depth:</b>	
<b>Casing length (ft.):</b>	<b>Casing top depth (ft.):</b>	
<b>Well Production type:</b>	<b>Completion Method:</b>	
<b>Water well additional information:</b>		
<b>State appropriation permit:</b>		
<b>Additional information attachment:</b>		



<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 3H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM125402	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 00	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> CAZA OPERATING LLC

Section 6 - Construction Materials

Using any construction materials: YES

**Construction Materials description:** 6" of packed caliche (a sedimentary rock, a hardened natural cement of calcium carbonate that binds other materials such as gravel, sand, clay, and silt) will be used for the road and pad. S24 R25S R35E SWSW

**Construction Materials source location attachment:**

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Caliche\_and\_Water\_Supply\_Map\_20191105071627.pdf

Section 7 - Methods for Handling Waste

**Waste type:** DRILLING

**Waste content description:** drill cuttings

**Amount of waste:** 1063640 pounds

**Waste disposal frequency :** Daily

**Safe containment description:** 4 sided bins

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY      **Disposal location ownership:** COMMERCIAL

**Disposal type description:**

**Disposal location description:** R360 commercial facility

**Waste type:** GARBAGE

**Waste content description:** onsite housing trash

**Amount of waste:** 100 pounds

**Waste disposal frequency :** Daily

**Safe containment description:** steel trash trailer

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY      **Disposal location ownership:** OTHER

**Disposal type description:**

**Disposal location description:** Lea County Landfill

**Waste type:** SEWAGE

**Waste content description:** onsite housing sewage

**Amount of waste:** 300 gallons

**Waste disposal frequency :** Daily

**Safe containment description:** onsite closed septic system

**Safe containmant attachment:**

**Waste disposal type:** HAUL TO COMMERCIAL FACILITY      **Disposal location ownership:** OTHER

**Disposal type description:**

<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 3H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM125402	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 00	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> CAZA OPERATING LLC

**Disposal location description:** Hobbs Waste Water Management

Reserve Pit

**Reserve Pit being used?** N

**Temporary disposal of produced water into reserve pit?** NO

**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?** N

**Description of cuttings location**

**Cuttings area length (ft.)**    **Cuttings area width (ft.)**

**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?:** N

**Ancillary Facilities attachment:**

**Comments:**

Section 9 - Well Site Layout

**Well Site Layout Diagram:**

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Location\_Map\_20190824061217.pdf

PACE\_M\_Series\_American\_20191105071953.pdf

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Well\_Pad\_Plat\_20191108103004.pdf

**Comments:**

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Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance	Multiple Well Pad Name: COMANCHE 25-36 FED STATE COM
	Multiple Well Pad Number: 1H

Recontouring attachment:

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Cut\_and\_Fill\_20191105072044.pdf

Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Contour\_Map\_20191105072542.pdf

Drainage/Erosion control construction: storm water diversion berm

Drainage/Erosion control reclamation: storm water diversion berm

Well pad proposed disturbance (acres): 4.45	Well pad interim reclamation (acres): 0.96	Well pad long term disturbance (acres): 3.49
Road proposed disturbance (acres): 0.34	Road interim reclamation (acres): 0	Road long term disturbance (acres): 0.34
Powerline proposed disturbance (acres): 0	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres): 0	Pipeline interim reclamation (acres): 0	Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres): 0	Other interim reclamation (acres): 0	Other long term disturbance (acres): 0
Total proposed disturbance: 4.79	Total interim reclamation: 0.96	Total long term disturbance: 3.83

Disturbance Comments: no new surface disturbance as the pad will have been constructed for the 1H.

Reconstruction method: as identified during onsite

Topsoil redistribution: as identified during onsite

Soil treatment: as identified during onsite

Existing Vegetation at the well pad: Sage brush and native grasses

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: Sage brush and native grasses

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: Sage brush and native grasses

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: Sage brush and native grasses

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

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Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed Summary	
Seed Type	Pounds/Acre

Total pounds/Acre:

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:	Last Name:
Phone: (985)415-9729	Email: steve.morris@morcoreengineering.com

Seedbed prep: Harrow

Seed BMP: Per BLM instructions

Seed method: Broadcast followed by a drag chain

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: Spray for cheat grass

Weed treatment plan attachment:

Monitoring plan description: Visual inspection in spring and late fall

Monitoring plan attachment:

Success standards: 80% coverage by 2nd growing season of native species with less than 5% invasive species

Pit closure description: no pits

Pit closure attachment:

Section 11 - Surface Ownership

<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	<b>County or Parish/State:</b> LEA / NM
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<b>US Well Number:</b> 00	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> CAZA OPERATING LLC

**Disturbance type:** WELL PAD

**Describe:**

**Surface Owner:** BUREAU OF LAND MANAGEMENT

**Other surface owner description:**

**BIA Local Office:**

**BOR Local Office:**

**COE Local Office:**

**DOD Local Office:**

**NPS Local Office:**

**State Local Office:**

**Military Local Office:**

**USFWS Local Office:**

**Other Local Office:**

**USFS Region:**

**USFS Forest/Grassland:**

**USFS Ranger District:**

Section 12 - Other Information

**Right of Way needed?** N

**Use APD as ROW?**

**ROW Type(s):**

ROW Applications

**SUPO Additional Information:**

**Use a previously conducted onsite?** Y

**Previous Onsite information:** Onsite conducted by McKenna Ryder

Other SUPO Attachment

- Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Closed\_Loop\_Design\_Operating\_and\_Closure\_Plan\_20190824061737.pdf
- Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Closed\_Loop\_Diagram\_Design\_Plan\_20190824061737.pdf
- Comanche\_25\_36\_Fed\_State\_Com\_3H\_\_\_Gas\_Capture\_Plan\_20190824061738.pdf
- Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Existing\_Topography\_Map\_20191108103222.pdf
- Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Topography\_Map\_20191108103224.pdf

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Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Interim\_Reclamation\_Plant\_20200410064631.pdf  
Comanche\_25\_36\_State\_Fed\_Com\_3H\_\_\_Interim\_Reclamation\_Plant\_2\_20200417064925.pdf

PWD

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

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

Is the reclamation bond a rider under the BLM bond?



<b>Well Name:</b> COMANCHE 25-36 FED STATE COM	<b>Well Location:</b> T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 3H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
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<b>US Well Number:</b> 00	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> CAZA OPERATING LLC

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): 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? N

Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number:

Injection well name:

Assigned injection well API number?

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? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

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? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

Operator Certification

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Well Name: COMANCHE 25-36 FED STATE COM	Well Location: T26S / R35E / SEC 25 / NWNE / 32.0205008 / -103.3173637	County or Parish/State: LEA / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

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: STEVE MORRIS  
Signed on: 01/12/2021  
Title: Engineer  
Street Address: 14102 WCR 173  
City: ODESSA State: TX Zip: 79766  
Phone: (985)415-9729  
Email address: steve.morris@morcorengineering.com

Field Representative

Representative Name: STEVE MORRIS  
Street Address: 200 N. LORRAINE ST 1550  
City: MIDLAND State: TX Zip: 79701  
Phone: (985)415-9729  
Email address: steve.morris@morcorengineering.com

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Lease Number: NMNM125402	Unit or CA Name:	Unit or CA Number:
US Well Number: 00	Well Status: Approved Application for Permit to Drill	Operator: CAZA OPERATING LLC

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: MORRIS	Signed on: JAN 12, 2021 05:10 PM
Name: CAZA OPERATING LLC	
Title: Engineer	
Street Address: 200 NORTH LORRAINE SUITE 1550	
City: MIDLAND	State: TX
Phone: (432) 638-8475	
Email address: NOT ENTERED	

Field Representative

Representative Name: STEVE MORRIS		
Street Address: 200 N. LORRAINE ST 1550		
City: MIDLAND	State: TX	Zip: 79701
Phone: (985)415-9729		
Email address: steve.morris@morcorengineering.com		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 01/14/2021
Signature: Chris Walls	



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

District III  
1000 Rio Brazos 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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-47451	<sup>2</sup> Pool Code <del>98234</del> <b>98355</b>	<sup>3</sup> Pool Name WC-025 G-07 S263525B; Bone Spring
<sup>4</sup> Property Code 328896	<sup>5</sup> Property Name COMANCHE 25-36 FEDERAL STATE	<sup>6</sup> Well Number 3H
<sup>7</sup> OGRID No. 249099	<sup>8</sup> Operator Name CAZA OPERATING LLC	<sup>9</sup> Elevation 2946'

<sup>10</sup> 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	1450	EAST	LEA

<sup>11</sup> 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
G (L 2)	36	26S	35E		40	SOUTH	2280	EAST	LEA

<sup>12</sup> Dedicated Acres 233.27	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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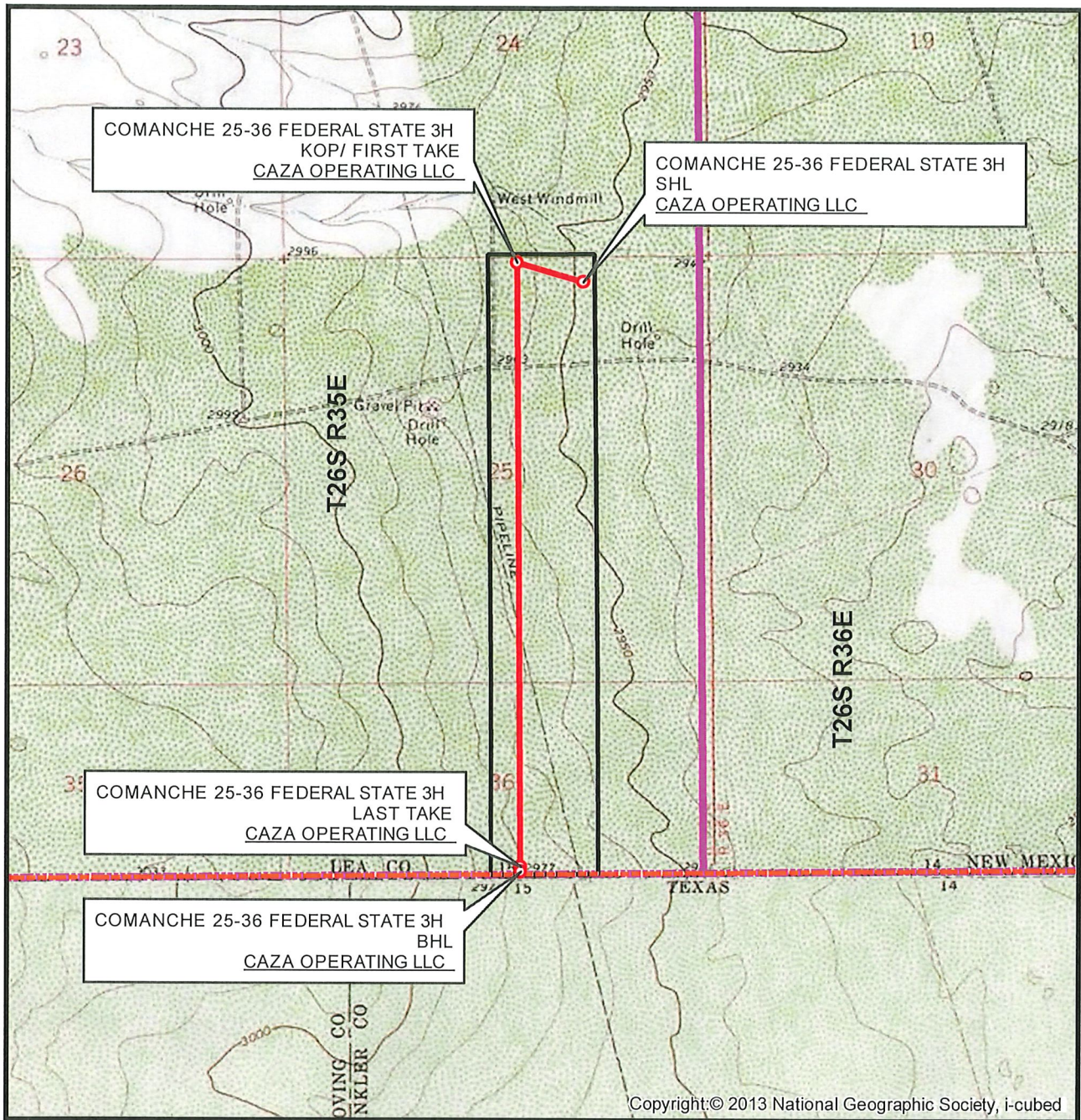
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p><b>Infill Well</b></p>	<p><b>CORNER COORDINATES</b> NAD 83, SPCS NM EAST A - X: 855026.84' / Y: 373017.32' B - X: 856343.04' / Y: 373028.15' C - X: 856411.82' / Y: 365332.23' D - X: 855087.15' / Y: 365319.53'</p>	<p><b>CORNER COORDINATES</b> NAD 27, SPCS NM EAST A - X: 813838.32' / Y: 372959.95' B - X: 815154.51' / Y: 372970.77' C - X: 815223.00' / Y: 365275.06' D - X: 813898.33' / Y: 365262.37'</p>	<p><b>17 OPERATOR CERTIFICATION</b> 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.</p> <p>Signature: _____ Date: 11/8/2019</p> <p>Steve Morris</p> <p>Printed Name: _____</p> <p>steve.morris@morcoreengineering.com</p> <p>E-mail Address: _____</p>
	<p><b>SURFACE HOLE LOCATION</b> 350' FNL 1450' FEL, SECTION 25 NAD 83, SPCS NM EAST X: 856213.14' / Y: 372677.40' LAT: 32.02050082N / LON: 103.31736372W NAD 27, SPCS NM EAST X: 815024.60' / Y: 372620.03' LAT: 32.02037345N / LON: 103.31690622W</p>		
	<p><b>KICK OFF POINT / FIRST TAKE POINT</b> 100' FNL 2265' FEL, SECTION 25 NAD 83, SPCS NM EAST X: 855395.35' / Y: 372920.35' LAT: 32.02118968N / LON: 103.31999469W NAD 27, SPCS NM EAST X: 814206.82' / Y: 372862.98' LAT: 32.02106235N / LON: 103.31953707W</p>		
	<p><b>LAST TAKE POINT</b> 100' FSL 2280' FEL, SECTION 36 NAD 83, SPCS NM EAST X: 855455.63' / Y: 365423.04' LAT: 32.00058127N / LON: 103.32002699W NAD 27, SPCS NM EAST X: 814266.81' / Y: 365365.88' LAT: 32.00045384N / LON: 103.31957041W</p>		
<p><b>BOTTOM HOLE LOCATION</b> 40' FSL 2280' FEL, SECTION 36 NAD 83, SPCS NM EAST X: 855456.21' / Y: 365363.04' LAT: 32.00041635N / LON: 103.32002691W NAD 27, SPCS NM EAST X: 814267.39' / Y: 365305.88' LAT: 32.00028892N / LON: 103.31957034W</p>			<p><b>18 SURVEYOR CERTIFICATION</b> 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.</p> <p>NOVEMBER 5, 2019 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number LLOYD P. SHORT 21653</p>

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



Released to Imaging: 3/1/2021 4:29:21 PM



SEC. 25 TWP. 26-S RGE. 35-E  
SURVEY: N.M.P.M.  
COUNTY: LEA  
OPERATOR: CAZA OPERATING LLC  
DESCRIPTION: 350' FNL & 1450' 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'

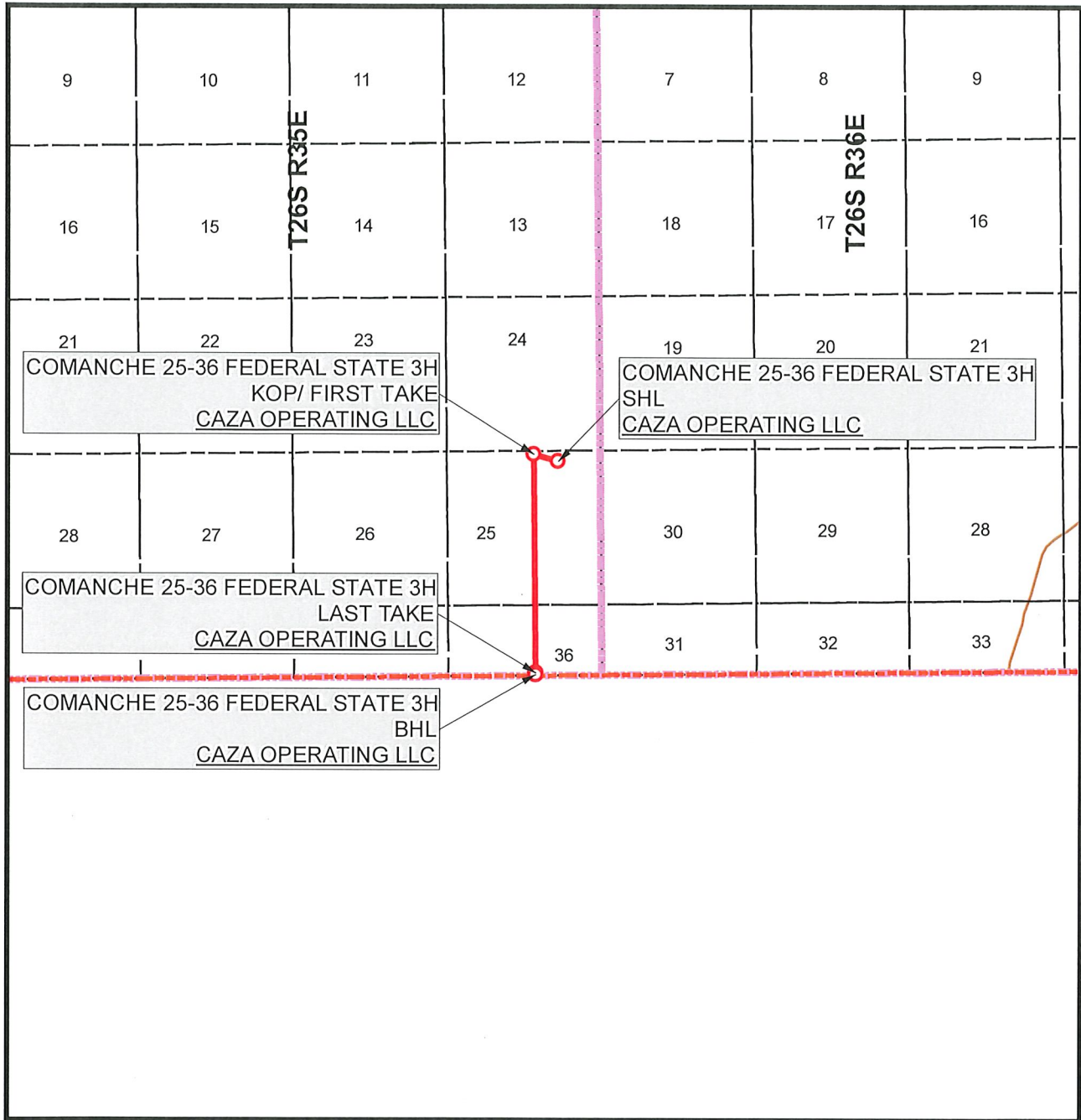


SHEET 2 OF 3

PREPARED BY:  
R-SQUARED GLOBAL, LLC  
1309 LOUISVILLE AVENUE, MONROE, LA 71201  
318-323-6900 OFFICE  
JOB No. R4029\_001\_C



# VICINITY MAP



SEC. 25 TWP. 26-S RGE. 35-E  
 SURVEY: N.M.P.M.  
 COUNTY: LEA  
 OPERATOR: CAZA OPERATING LLC  
 DESCRIPTION: 350' FNL & 1450' 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  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 18071

**CONDITIONS OF APPROVAL**

Operator: CAZA OPERATING, LLC Suite 1550 Midland, TX79701	200 N Loraine St	OGRID: 249099	Action Number: 18071	Action Type: C-103A
OCD Reviewer pkautz	Condition None			