

District I
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District II
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Phone: (575) 748-1283 Fax: (575) 748-9720

District III
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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

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

HOBSOCD

AMENDED REPORT

1220 South St. Francis Dr.

JAN 07 2015

Santa Fe, NM 87505

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORAINNE SUITE 1550 MIDLAND, TEXAS 79701		OGRID Number 249099
Property Code 313780	Property Name IGLOO "19" STATE	API Number 30-025-42361
		Well No. 7H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
Lot 34	19	20S	35E		200'	SOUTH	750'	WEST	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
Lot 43	19	20S	35E		2310'	SOUTH	350'	WEST	LEA

9. Pool Information

Pool Name LEA-BONE SPRING, SOUTH	Pool Code 37580
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Additional Well Information

11. Work Type N	12. Well Type O	13. Cable/Rotary ROTARY	14. Lease Type S	15. Ground Level Elevation 3687'
16. Multiple NO	17. Proposed Depth TVD=10,883' MD=12,833'	18. Formation 3rd Bone Spring	19. Contractor Unknown	20. Spud Date when approved
Depth to Ground water 64'	Distance from nearest fresh water well Approximately 1.25 Northwest		Distance to nearest surface water None Known	

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	54.5#	1800'	1541 Sx.	SURFACE
Intermed.	12 1/2"	9 5/8"	40#	5650'	1630 Sx.	SURFACE
Production	8 3/4"	5 1/2"	20#	12,833'	1467 Sx.	Est. 5000' FS

Casing/Cement Program: Additional Comments

SEE ATTACHED SHEET

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000#	1500 PSI	Cameron or Schaffer

<p>23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/>, if applicable. Signature: <i>Joe T. Janica</i> Printed name: Joe T. Janica Title: Permit Eng. E-mail Address: joejanica@valornet.com Date: 01/07/15</p>	OIL CONSERVATION DIVISION	
	Approved By: <i>[Signature]</i>	
	Title: Petroleum Engineer	
	Approved Date: 01/07/15	Expiration Date: 01/07/17
	Phone: 575-391-8503	Conditions of Approval Attached

See Attached
Conditions of Approval
JAN 08 2015

CAZA OPERATING, LLC.

IGLOO "19" STATE # 7H

1. Drill 26" hole to 140' Set 140' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17 ½" hole to 1800'. Run and set 1800' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 1191 Sx. Of Class "C" cement + 4% Gel, + 2% CaCl, Yield 1.74 100% excess, tail in with 350 Sx. Of Class "C" cement + 2% CaCl, Yield 1.33 100% excess, circulate cement to surface.
3. Drill 12 ¼" hole to 5650'. Run and set 5650' of 9 5/8" casing as follows: 2150' of 9 5/8" 40# HCK-55 LT&C, 3500' of 9 5/8" 40# J-55 LT&C casing. Cement in two stages, stage tool and casing packer set at 3900'. Cement 1st stage with 303 Sx. Of 35/65 Class "C" POZ cement + 5% salt, + 6% Gel, Yield 2.09 100% excess, tail in with 365 Sx. Of Class "C" cement + 1% CaCl, Yield 1.33 100% excess. Cement 2nd stage with 812 Sx. Of 35/65 Class "C" POZ cement + 5% Salt, + 6% Gel, Yield 2.09, 100% excess, tail in with 150 Sx. Of Class "C" cement +1% CasCl, Yield 1.33, 100% excess. Circulate cement to surface.
4. Drill 8 ¾" hole to 12,833' Run and set 12,833 of 5 ½" 20# HCP-110 CDC-HTQ CASING. Cement with 1103 Sx. of 35/65 Class "H" cement + 1lb/Sx. KOL seal, Yeild 1.89, 50% excess, tail in with 365 Sx. of Class "H" SoluCem, cement + fluid loss control, + defoamer, "Acid soluble. Yield 2.59, 50% excess. Estimate top of cement 5000' from surface.

CONDITIONS OF APPROVAL

API #	Operator	Well name & Number
30-025-42361	Caza Operating LLC	Igloo 19 State # 7H

Applicable conditions of approval marked with XXXXXX

Administrative Orders Required

XXXXXXX	Will require administrative order for non-standard location prior to placing the well on production

Other wells

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Drilling

XXXXXXX	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Casing

XXXXXXX	SURFACE & INTERMEDIATE(1) CASING - Cement must circulate to surface --
XXXXXXX	PRODUCTION CASING - Cement must tie back into intermediate casing --
XXXXXXX	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
	South Area
XXXXXXX	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water