District [1625 N. French Dr., Hobbs, NM 38240 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 <u>District IV</u> 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 JAN 0 5 2015

Oil Conservation Division



☐AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

| | ATIO | | Conerator Name | and Address | | | 1 | | - OGRID Nu | mher |
|--|--|--|--|--|--|--|--|--|---------------------------------------|--|
| Ç | AZA C | PERAT | Operator Name ING, LLC. | TTT 1550 | | | | 249 | 9099 | |
| 200 NORTH LORAINE SUITE 1550 MIDLAND, TEXAS 79701 | | | | | | | | 30-025- | API Num | ber 69 |
| Property 313780 | Code) | , | IGL | 00 "19" S | Property Name TATE | ; | | | , , , , , , , , , , , , , , , , , , , | Well No. 5H |
| | | | | ^{7.} St | urface Locati | ion | | | | |
| | Section 19 | Township 20S | Range 35E | Lot Idn | Feet from | N/S SOUT | Line 'H | Feet From 2000 | E/W Line WEST | County LEA |
| | | | . L | * Propos | ed Bottom H | | | | | |
| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S | Line | Feet From | E/W Line | County |
| К | 19 | 20S | 35E | | 2310' | SOU | JTH | 1980' FW | WEST | LEA |
| | | | | 9. P | ool Informati | tion | | | | |
| • | | | LEA-BO | Poo NE SPRING | Name S, SOUTH | | | | | Pool Code 37580 |
| | | | | Addition | nal Wall Info | | | | | · · · · · · · · · · · · · · · · · · · |
| ^{11.} Work Type | | | Adı 12 Well Type | | ditional Well Information 13. Cable/Rotary | | | ease Type | LS. | Ground Level Elevation |
| N 16. Multi | ple | | 0 D=11.526 | | DTARY 18. Formation | | | S Contractor | | 3689 ' |
| NO | | TVI MI | D-13 415' | 31 | d Bone S | pring | Unknow | n ' | | approved |
| Depth to Ground water | | | į. | ance from nearest | | | · + ' | | to nearest surface | face water |
| 64 ' | ısing a c | dosed-loo | | coximatel; | y 1.25 No | orthwes | | None | Known | |
| X We will be t | | | p system in lieu o | of lined pits Proposed C | asing and Ce | ement Pr | ogram | T | | |
| X We will be to | Hole | Size | p system in lieu o 21 Casing Size | of lined pits Proposed C Casing W | asing and Ce | e ment Pr e | ogram 3 Depth | . Sacks of | Cement | Estimated TOC |
| X We will be u | Hole 17½ | Size | Casing Size | Proposed C Casing W | asing and Ce | Setting | ogram g Depth | Sacks of | Cement | SURFACE |
| Type Surface Intermed. | Hole 17½ 12½ | e Size | Casing Size 13 3/8" 9 5/8" | Proposed C Casing W 54.5# | asing and Ce | Setting 1800 | ogram 3 Depth | Sacks of 1541 S 1630 S | Cement X. | SURFACE SURFACE |
| Type Surface Intermed. | Hole 17½ 12½ | e Size | Casing Size 13 3/8" 9 5/8" 5½" | Proposed C Casing W 54.5# 40# 20# | asing and Ce | Setting 1800 5650 13,415 | ogram g Depth | Sacks of | Cement X. | SURFACE |
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CAZA OPERATING, LLC.

IGLOO "19" STATE #5H

- 1. Drill 26" hole to 140' Set 140' of 20" conductor pipe and cement to surface with Redimix.
- 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 13,415' Run and set 13,415' of 5 ½ " 20# HCP-110 CDC-HTQ CASING. Cement with 1231 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 |
|--------------|--------------------|---------------------|
| 30-025-42359 | Caza Operating LLC | Igloo 19 State # 5H |

Applicable conditions of approval marked with XXXXXX

Administrative Orders Required

| XXXXXX | Will require administrative order for non-standard location prior to placing the well on production |
|-------------|--|
| Other wells | |
| 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 casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water |
|---------|--|
| | South Area |
| XXXXXXX | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement |
| XXXXXXX | PRODUCTION CASING - Cement must tie back into intermediate casing |
| XXXXXX | SURFACE & INTERNEMIATE(1) CASING - Cement must circulate to surface |