

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

Sundry Print Report

Well Name: CARRACAS 14B Well Location: T32N / R4W / SEC 15 / County or Parish/State: RIO

SWNE / 36.989239 / -107.239399 ARRIBA / NM

Well Number: 2H Type of Well: OTHER Allottee or Tribe Name:

Lease Number: FEE Unit or CA Name: 2H CARRACAS 14B - Unit or CA Number:

FRCL NMNM112654

US Well Number: 300393096200S1 Well Status: Abandoned Operator: MORNINGSTAR

OPERATING LLC

## **Subsequent Report**

**Sundry ID:** 2754649

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/03/2023 Time Sundry Submitted: 01:28

**Date Operation Actually Began:** 09/27/2023

**Actual Procedure:** MorningStar Operating has plugged and abandoned the Carracas 14B 2H as of 09/27/2023. Attached are the Daily and Cement Reports and Final WBD. CBL was not required per BLM Engineer, M. Kade.

#### **SR Attachments**

#### **Actual Procedure**

Carracas\_14B\_2H\_WBD\_Final\_PA\_20231003132657.pdf

Carracas\_14B\_2H\_Daily\_Cement\_Reports\_20231003132614.pdf

eceived by OCD: 10/4/2023 1:07:10 PM Well Name: CARRACAS 14B Well Location: T32N / R4W / SEC 15 /

SWNE / 36.989239 / -107.239399

County or Parish/State: RIPage 2 o

ARRIBA / NM

Well Number: 2H Type of Well: OTHER Allottee or Tribe Name:

Lease Number: FEE Unit or CA Name: 2H CARRACAS 14B -**Unit or CA Number:** 

> NMNM112654 **FRCL**

**Operator: MORNINGSTAR US Well Number: 300393096200S1** Well Status: Abandoned

OPERATING LLC

#### **Operator**

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

Signed on: OCT 03, 2023 01:27 PM **Operator Electronic Signature: CONNIE BLAYLOCK** 

Name: MORNINGSTAR OPERATING LLC

Title: Regulatory Technician Street Address: 400 W 7th St.

City: Forth Worth State: TX

Phone: (817) 334-7882

Email address: CBLAYLOCK@MSPARTNERS.COM

#### **Field**

Representative Name: Amy Byars

**Street Address:** 

City: State: Zip:

Phone:

Email address: abyars@txopartners.com

## **BLM Point of Contact**

**BLM POC Name: MATTHEW H KADE BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5055647736 BLM POC Email Address: MKADE@BLM.GOV

**Disposition:** Accepted Disposition Date: 10/04/2023

Signature: Matthew Kade

Page 2 of 2



## AZTEC WELL SERVICING CO.

## **CEMENT JOB DETAIL SHEET**

|             |                  |                   | MORNIN   | GSTAR OF       | PERATING,  | LLC.                  | DATE:            |              | Septembe      | r 25, 2023           | API Number:               | 30-039  | -30962    | TYPE OF JOB:       |                  | P & A  |        |  |  |
|-------------|------------------|-------------------|--|----------------|--|-----------------------|------------------|--------------|---------------|----------------------|---------------------------|---------|-----------|--------------------|------------------|--|--------|--|--|
|             | ELL NAME         |                   |  | CAS 14B #2     | 2H   |                       | LOCATION         |              |               |                      | SERVICE SUP:              |         | DEAN ME   |                    |                  |  |        |  |  |
|             | ONTRACT          |                   | RIG 450  |                |  |                       | OPERATO          |              |               | ELL SERVICE          |                           | COUNTY: |           |                    | STATE:           |  | MEXICO |  |  |
| MATERIAL    | S FURNISH        | IED:              |  | <del>-</del>   | TYPE OF PLI                                      | UGS:                  | LIST             | CSG. HARD    | OWARE:        | SQUEEZE<br>MANIFOLD: | TOP<br>OF                 | SLURRY  | SLURRY    | WATER              | PUMP             | SLURRY:  | MIX    |  |  |
|             |                  |                   |  |                | ттом   |                       |                  |              |               |                      | EACH                      | WEIGHT: | YIELD:    | REQ.:              | TIME:            | 02014111   | WATER: |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      | FLUID:                    | Lb/gal  | Cuft/sk   | Gals/sk            | hr:mm            | bbls   | bbls   |  |  |
| PRE-FLUS    | H - FRES         | H WATER           |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  | $\vdash$   |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  | <del>                                     </del> |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  | <del>                                     </del> |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
| AVAILABLE N | IIX WATER:       | 400.0             | BBLS   |                |  | DISPLACEMENT V        | WATER:           | 360.0        | BBLS          |                      |                           |         |           |                    | TOTAL MI         | IX WATER:  | 0.0    |  |  |
|             | HOLE             | 1                 |  |                | SCSGD.P.   |                       |                  |              | CSGD.P.       |                      |                           |         |           | COLLAR DEPTH       |                  |  |        |  |  |
| SIZE        | % EXCESS<br>100% | DEPTH <b>234'</b> | SIZE   | WEIGHT         |  | 230'                  | SIZE             | WEIGHT       |               | DEPTH                |                           |         | SHOE      | FLOAT              | STAGE<br>0       | ł  |        |  |  |
| 12 1/2      | LAST C           |                   | 9 5/8  | 23.00<br>PKR   | H-40<br>-CMT RET-BR                              |                       | 2 3/8<br>PERF DE | 4.70<br>PTHS | J-55          | 3657'                | CONNECTION                | I       |           | WEL                | LBORE FLUID      | Ь Т  |        |  |  |
| SIZE        | WEIGHT           | TYPE              | DEPTH  |                | D & TYPE   | DEPTH                 | TOP              | воттом       | 1             | SIZE                 | THREAD                    | 1       |           | TYF                |                  | WEIGHT   | l      |  |  |
| 7           | 23.00            | J-55              | 4124'  |                |  |                       | 4051'            | 5805'        |               | 2 3/8                | 8 ROUND                   |         | _         | PRODUCE            |                  | 8.40   |        |  |  |
|             |                  | EMENT VOLU        |  | CAL. PSI       |  | MAX PSI               | OP. MAX          |              | TBG. PSI      | 1                    | CASING PSI                | 4       |           | DISPLACEMENT F     |                  | _  | ATER   |  |  |
| TUBING      | CASING           | CASING            | TOTAL  | BUMP PLUG      |  | 650                   | SQ. PSI<br>650   | RATED        | OPER<br>1,100 | RATED                | OPER<br><b>650</b>        | 1       | EDF       | TYPE<br>SH WATER   | WEIGHT<br>8.33   |  | WATER  |  |  |
|             |                  |                   |  |                |  | 030                   | 050              |              | 1,100         |                      | 650                       |         | FRE       | SH WATER           | 0.33             | CITT   | WAIER  |  |  |
|             |                  | UBLE SETTING      |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
| RUNNING C   | ASING, ETC.,     | PRIOR TO CE       | MENTING:   |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  | PUMP DE           | TAILS:   |                |  | 1                     |                  |              |               |                      | DAILY SU                  | IMMARY: |           |                    |                  |  |        |  |  |
| TIME        | PRESSL           | JRE - PSI         | RATE   | BBL FLUID      | FLUID  | SAFETY MEETIN         | IG:              | CREW         | J             | CO. REP.             |                           |         |           |                    |                  |  |        |  |  |
| HR: MIN:    | PIPE             | ANNULUS           | BPM:   | PUMPED:        | TYPE:  | TEST LINES:           |                  |              |               | PSI                  |                           | 1       |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  | CIRCULATED TH         | IE WELL:         |              | RIG PUMP      | CMT PUMP             | 7                         |         |           |                    |                  |  |        |  |  |
| 6:00        | -                | -                 | -  | -              | -  | Load equipm           | ent and sec      | cure rig 1   | for travel    |                      |                           |         |           |                    |                  |  |        |  |  |
| 7:00        | -                | -                 |  | <u> </u>       | -  | CODE 8: trail         | er lights no     | t workin     | gwait on      | repairno c           | harge                     |         |           |                    |                  |  |        |  |  |
| 8:00        | -                | -                 | -  |                | -  | Road rig to n         | ew location      | 1            |               |                      |                           |         |           |                    |                  |  |        |  |  |
| -           | -                | -                 | -  | -              | -  | Unload & Spe          | ot equipme       | nt on loc    | ation         |                      |                           |         |           |                    |                  |  |        |  |  |
| 11:00       | -                | -                 |  | <u> </u>       | -  | Move onto lo          |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
| -           | 0                | 800 / 0           | -  | -              | -  |                       |                  |              | Csg = 800ps   | si; BH = 0psi.       | tubig possibly            | plugged |           |                    |                  |  |        |  |  |
| -           | -                | -                 | -  | <u> </u>       |  | Blowdown ca           |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
| -           | -                | -                 | <del>-</del>                                     | <del>-</del> - | -  |                       |                  |              |               |                      |                           |         | reads and | worked holddov     | wn pins until fr | ee   |        |  |  |
| -           | -                | -                 | -  | -              | -  |                       |                  |              |               | .prepare to u        | ınset tubing han          | ger     |           |                    |                  |  |        |  |  |
| -           |                  | -                 | -  | -              |  | Unset & Lay           |                  |              |               | 8' PS'e 1- tai       | il joint & 1- MA          |         |           |                    |                  |  |        |  |  |
|             | -                | -                 | _  | <del></del>    | -  | PU & make u           |                  |              |               |                      | ir joint & 1- mix         |         |           |                    |                  |  |        |  |  |
| -           | -                | -                 | -  | -              | -  | TIH w/ casing         |                  |              |               | triodric bit         |                           |         |           |                    |                  |  |        |  |  |
| -           | -                | -                 | -  | -              | -  | TOOH w/ tub           |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
| -           | -                | -                 | -  | -              | -  | Too late to co        |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
| 19:15       | -                | -                 | -  | -              | -  | Secure wellh          |                  | uipment      | SDON          |                      |                           |         |           |                    |                  |  |        |  |  |
| 19:30       | -                | -                 | -  | -              | -  | Travel to the         | Yard             |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  | <u> </u>       |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   | <u> </u>   | <b>└</b>       |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
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|             |                  |                   |  | 1              |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
|             |                  |                   |  |                |  |                       |                  |              |               |                      |                           |         |           |                    |                  |  |        |  |  |
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|             |                  |                   | <b></b>  | <u></u>        | <u> </u>   |                       |                  |              |               | T                    |                           |         |           |                    |                  |  |        |  |  |
| BUMPED      |                  | I TO              |  | EST            | TOTAL  | BBL CMT.              | PSI              |              | SPOT          |                      | LL SERVICING (            | O REP.: |           |                    | AN MESTAS        |  |        |  |  |
| PLUG:       |                  | IMP               |  | OAT<br>PMENT:  | BBL.<br>PUMPED:                                  | RETURNS/<br>REVERSED: | LEFT ON<br>CSG.: |              | TOP<br>MENT:  | CUSTOME              | R REP.:<br>R REP. SIGNATU | IDE-    |           | JAS                | SON PEACE        |  |        |  |  |
| PLUG: EQU   |                  | EQUIP             | MILINI:  | 0.0            | 0.0  | 0                     |                  | IVILIVI.     | COSTONIE      | ALF. SIGNATU         | ····                      |         | CUSTOME   | R AUTHORIZING AGEN | Т                |  |        |  |  |



#### AZTEC WELL SERVICING CO.

## **CEMENT JOB DETAIL SHEET**

|   |                |               |                  |                       | PERATING,           | LLC.                            | DATE:              |                                     |                  | _              | API Number:               | 30-039     |                   | TYPE OF JOB:     |                     | P&A       | Y: MIX WATER: bbls |
|---|----------------|---------------|------------------|-----------------------|---------------------|---------------------------------|--------------------|-------------------------------------|------------------|----------------|---------------------------|------------|-------------------|------------------|---------------------|-----------|--------------------|
| LEASE & WELL NAME: CARR. SERVICE CONTRACTOR: RIG 45 |                |               | AS 14B #2        | 2H                    |                     | LOCATION:<br>OPERATOR:          |                    | Sec.15,T321N,R04W AZTEC WELL SERVIC |                  |                | COUNTY:                   |            | RIO ARRIBA STATE: |                  | NEW MEXICO          |           |                    |
| MATERIAL  |                |               | 1310 400         | 1                     | TYPE OF PLU         | IGS:                            |                    | K:<br>CSG. HARD                     |                  | SQUEEZE        | TOP                       | _COUNTY:   | Dr                | YSICAL SLURF     | •                   |           | WEAICO             |
| MATERIAL  | O I ORNION     |               |                  |                       | OP PL               |                                 | LIST               | JOG. HAKL                           | MANE:            | MANIFOLD:      | OF                        | SLURRY     | SLURRY            | WATER            | PUMP                | SLURRY:   | MIX                |
|   |                |               |                  |                       | ТТОМ                |                                 | Ţ                  |                                     |                  |                | EACH                      | WEIGHT:    | YIELD:            | REQ.:            | TIME:               |           | WATER:             |
| PRE-FLUS  | U EDES         | LI WATER      |                  |                       |                     |                                 | <u> </u>           |                                     |                  | <u> </u>       | FLUID:                    | Lb/gal     | Cuft/sk           | Gals/sk          | hr:mm               | bbls      | bbls               |
| FRE-FLUS  | FKES           | II WAIEK      |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
| AVAILABLE N   | IIX WATER:     | 400.0         | BBLS             |                       | AVAILABLE [         | DISPLACEMENT V                  | WATER:             | 360.0                               | BBLS             |                |                           | l          |                   |                  | TOTAL M             | IX WATER: | 0.0                |
|   | HOLE           |               |                  |                       | CSGD.P.             |                                 |                    | TBG.                                | -CSGD.P.         |                |                           |            |                   | COLLAR DEPTI     | IS                  |           |                    |
| SIZE  | % EXCESS       | DEPTH         | SIZE             | WEIGHT                | TYPE                | DEPTH                           | SIZE               | WEIGHT                              | TYPE             | DEPTH          |                           |            | SHOE              | FLOAT            | STAGE               |           |                    |
| 12 1/2  | 100%<br>LAST 0 | 234'<br>ASING | 9 5/8            | 23.00<br>PKR          | H-40<br>-CMT RET-BR | 230'<br>PL-LINER                | 2 3/8<br>PERF DE   | 4.70<br>PTHS                        | J-55             | 3626'          | ONNECTION                 | 1          |                   | WEL              | .LBORE FLUID        |           |                    |
| SIZE  | WEIGHT         | TYPE          | DEPTH            |                       | O & TYPE            | DEPTH                           | TOP                | воттом                              | 1                | SIZE           | THREAD                    | 1          |                   | TYI              | PE                  | WEIGHT    |                    |
| 7   | 23.00          | J-55          | 4124'            |                       |                     |                                 | 4051'              | 5805'                               |                  | 2 3/8          | 8 ROUND                   | ļ          | 1                 | PRODUCE          |                     | 8.40      |                    |
| TUBING  | CASING         | CASING        | ME; BBL<br>TOTAL | CAL. PSI<br>BUMP PLUG |                     | MAX PSI<br>EVERSE               | OP. MAX<br>SQ. PSI | MAX<br>RATED                        | TBG. PSI<br>OPER | MAX<br>RATED   | OPER                      | 1          |                   | TYPE             | LUID<br>WEIGHT      |           |                    |
| TODING  | CASING         | CASING        | TOTAL            | COIVIT' PLUG          |                     | 650                             | 650                | IVATED                              | 1,100            | NATED          | 650                       | 1          | FRE               | SH WATER         | 8.33                |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                | UBLE SETTING  |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
| KUNNING C   | ASING, ETC.,   | PRIOR TO CE   | WENTING:         | 1                     |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                | PUMP DE       | TAILS:           |                       |                     |                                 |                    |                                     |                  |                | DAILY SU                  | IMMARY:    |                   |                  |                     |           |                    |
| TIME  | PRESSI         | JRE - PSI     | RATE             | BBL FLUID             | FLUID               | SAFETY MEETIN                   | NG:                | CREW                                | J                | CO. REP.       | /                         |            |                   |                  |                     |           |                    |
| HR: MIN:  | PIPE           | ANNULUS       | BPM:             | PUMPED:               | TYPE:               | TEST LINES:                     |                    |                                     |                  | PSI            | _                         | 4          |                   |                  |                     |           |                    |
| F-00  |                |               |                  |                       |                     | CIRCULATED TH                   |                    |                                     | RIG PUMP         | CMT PUMP       | 7                         | l          |                   |                  |                     |           |                    |
| 5:00<br>7:00  |                | -             | -                | -                     | -                   | Travel to loca<br>PJSM, Service |                    | rt equipr                           | ment             |                |                           |            |                   |                  |                     |           |                    |
| 7:15  | 0              | 15/0          | -                | -                     | -                   | Check PSI or                    |                    |                                     |                  | BH = Opsi.     |                           |            |                   |                  |                     |           |                    |
| 7:25  | -              | -             | -                | -                     | -                   | TIH w/ tbg to                   |                    | _ оро., о                           | reg = reper,     | 2 ope          |                           |            |                   |                  |                     |           |                    |
| -   | -              | -             | -                | -                     | -                   | RU swab ass                     | sembly w/ 1-       | · 4' spear                          | r, 1- set jarrs  | s, 1- sinker b | ar                        |            |                   |                  |                     |           |                    |
| 7:50  | -              | -             | -                | -                     | -                   | RIH w/ spear                    | assembly a         | and sand                            | lline to 3523    | 'tagged bi     | ridge, worked sp          | ear couple | times and         | continued to bi  | t depth at 3568     | 'all goo  | d                  |
| 8:15  | -              | -             | -                | -                     | -                   | ROOH w/ sar                     |                    |                                     |                  | nbly           |                           |            |                   |                  |                     |           |                    |
| -   | -              | -             | -                | -                     |                     | TOOH w/ tbg                     | •                  |                                     | •                |                |                           |            |                   |                  |                     |           |                    |
| 9:30<br>11:10                                       | 450            | -<br>50       | 2.00             | 14.00                 | -<br>H2O            |                                 |                    |                                     |                  |                | 26'set retained           |            |                   |                  |                     |           |                    |
| 11:17   | 430            | 30            | 2.00             | 14.00                 | 1120                |                                 |                    |                                     |                  |                | circulate casing          | •          | esteu goot        |                  |                     |           |                    |
| 11:29   | 540            | 50            | 4.00             | 138.00                | H2O                 |                                 |                    |                                     |                  |                | ate cleanshit ii          |            | prepare to        | pressure test c  | asing               |           |                    |
| 12:04   | 700            | 700           | -                | -                     | -                   | Pressure tes                    |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
| 12:14   | -              | -             | -                | -                     | -                   | Sting back in                   | nto retainer       | to establ                           | lish injectio    | n rate         |                           |            |                   |                  |                     |           |                    |
| 12:19   | 1,100          | 0             | 0.50             | 1.00                  |                     |                                 |                    |                                     |                  |                | pressured out to          |            | no injectio       | n rate establish | ednotified of       | fice      |                    |
| 12:30   | -              | -             | -                | -                     | -                   |                                 |                    |                                     | oroke while      | preparing fo   | r cementno ch             | narge      |                   |                  |                     |           |                    |
| 13:30<br>14:15                                      | <u>.</u>       | -             | -                | -                     | -                   | TOOH w/ tub<br>Secure wellh     |                    |                                     | SDON             |                |                           |            |                   |                  |                     |           |                    |
| 14:13   | -              | -             | -                | -                     | -                   | Travel to the                   |                    | p                                   |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           | ·          |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           | _                  |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           | ·          | ·                 |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  | 1                     |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            |                   |                  |                     |           |                    |
|   |                |               |                  |                       |                     | Travel to the                   | yard               | _                                   |                  |                |                           |            |                   |                  |                     | _         |                    |
|   |                |               |                  |                       |                     |                                 |                    |                                     |                  |                |                           |            | · <u></u> -       |                  |                     | -         |                    |
| BUMPED  |                | I TO          |                  | ST                    | TOTAL               | BBL CMT.                        | PSI                |                                     | SPOT             |                | LL SERVICING O            | O REP.:    |                   |                  | AN MESTAS           |           |                    |
| PLUG:   |                | IMP<br>UG:    |                  | OAT<br>PMFNT:         | BBL. PUMPED:        | RETURNS/<br>REVERSED:           | LEFT ON<br>CSG.:   |                                     | TOP<br>MENT:     | CUSTOMER       | R REP.:<br>R REP. SIGNATU | RF:        |                   | JA               | SON PEACE           |           |                    |
|   | PLUG:          |               | LWOIF            | EQUIPMENT: P          |                     |                                 | 0                  | , C                                 |                  | JUJIONIE       | L GIGNATU                 |            |                   | CUSTOM           | ER AUTHORIZING AGEN | Т         |                    |



## AZTEC WELL SERVICING CO.

## **CEMENT JOB DETAIL SHEET**

| 20:00<br>BUMPED<br>PLUG:  | BU                     | TO<br>IMP<br>UG: | FLO              | ST<br>OAT<br>PMENT:   | TOTAL<br>BBL.<br>PUMPED: | BBL CMT.<br>RETURNS/<br>REVERSED:                     | PSI<br>LEFT ON<br>CSG.:                               | •              | SPOT<br>TOP<br>EMENT:   | CUSTOME         | LL SERVICING C<br>R REP.:<br>R REP. SIGNATU |                   |                    |                | AN MESTAS<br>SON PEACE |            |               |
|---|------------------------|------------------|------------------|-----------------------|--------------------------|---|---|----------------|-------------------------|-----------------|---|-------------------|--------------------|----------------|------------------------|------------|---------------|
|   |                        | то               | TF               | ST                    | TOTAL                    | BBI CMT   | PSI   |                | SPOT                    | AZTEC WE        | LL SERVICING C                              | O RFP ·           |                    | DE             | AN MESTAS              |            |               |
| 20:00   | -                      | •                |                  |                       |                          |   |   |                |                         |                 |   |                   |                    |                |                        |            |               |
|   |                        |                  |                  | -                     | -                        | Secure wellhead and equipmentSDON  Travel to the yard |   |                |                         |                 |   |                   |                    |                |                        |            |               |
| -   | -                      | -                | -                | -                     | -                        |   | ead and equ   | <u>uipm</u> en | tSDON                   |                 |   |                   |                    |                |                        |            |               |
| -   | -                      | -                | 2.00             | 5.10                  | CEMENT -                 | Pumped 5.1b   | bls cement  | slurry         | ((25sx; 15.8p           | pg, 1.15cuft    | /ft, 5.0gals/sk)) to                        | top off 7"        | casing & f         | fill cellar    |                        |            |               |
| -   | -                      | -                | -                | -                     | -                        | Install dryhol  | le marker   |                |                         |                 |   |                   |                    |                |                        |            |               |
|   | -                      |                  | -                | -                     | -                        |   |   |                |                         |                 | on BHTOC for                                |                   | Jii Ju oxwa        | on equipment   | propare to cut         | OII 4411   |               |
| <u> </u>  | 150                    | -                | 2.00             | 16.00                 | CEMENT -                 |   |   |                |                         |                 | ft/ft, 5.0gals/sk)).<br>nd rig floor, NDB0  |                   |                    |                |                        |            |               |
| -   | 150                    | 0                | 2.00             | 2.00                  | H2O                      | Pumped 2.0b   |   |                |                         |                 | *** FA                                      | -1                | 0.05.6             |                |                        |            |               |
| -   | -                      | -                | -                | -                     | -                        | TIH w/ tubing   | j to 288'pr   | epare 1        | for cement              |                 | -   |                   |                    |                |                        |            |               |
|   | -                      |                  | -                | -                     | -                        | 1   |   |                |                         |                 | cont to Monito                              |                   |                    |                | are for cement         | t          |               |
| -   | -                      | -                | -                | -                     | -                        | MIRU wirelor  |   | nerf de        | enth of 255'            | Monitored       | 3H, had no actior                           | ohsanvad          | while nerf         | orating        |                        |            |               |
|   | -                      | -                | -                | -                     | -                        |   |   | D tag          | subprepare              | for wireling    | ,   |                   |                    |                |                        |            |               |
| -   | -                      | -                | -                | -                     | -                        | 1   |   |                |                         |                 | and wash out BC                             | )P                |                    |                |                        |            |               |
| -   | 175<br>175             | 0                | 2.00             | 6.80<br>5.30          | CEMENT<br>H2O            | Pumped 5.3b   |   |                |                         |                 | /ft, 5.0gals/sk))<br>ᡚ 1382'                |                   |                    |                |                        |            |               |
| -   | 200                    | 0                | 2.00             | 4.00                  | H2O<br>CEMENT            | Pumped 4.0b   |   |                |                         |                 | ## E October 130                            |                   |                    |                |                        |            |               |
|   | -                      | -                | -                | -                     | -                        |   |   |                | are for ceme            |                 |   | -                 | -                  |                |                        |            |               |
|   | -                      | -                | -                | •                     | -                        | SD  | 2527  | ,              |                         |                 | _   |                   |                    |                |                        |            |               |
| <u> </u>  | 200<br>225             | 0                | 3.00             | 10.30                 | H2O                      | Pumped 12.5<br>Pumped 10.3                            |   |                |                         |                 |   |                   |                    |                |                        |            |               |
| -   | 250                    | 0                | 2.00             | 2.00<br>12.50         |                          | Pumped 2.0b   |   |                |                         |                 | ft/ft, 5.0gals/sk))                         |                   |                    |                |                        |            |               |
| -   | -                      | -                |                  | -                     | -                        | TOOH & LD t   |   |                |                         |                 |   |                   |                    |                |                        |            |               |
|   | -                      | -                | -                | -                     | -                        | TIH w/ tubing   |   | of ceme        | entTaggge               | d TOC @ 33      | 18'   |                   |                    |                |                        |            |               |
| <u> </u>  | -                      | -                | 2.50             | 14.00                 | H2O<br>-                 | SDresume  |   | O 1646         | i se cii culate         | oreanNaa        | v.Jubi Oi cement                            | returns at        | are pit            |                |                        |            |               |
| -   | 250                    | - 0              | 2.50             | 14.00                 | -<br>H2O                 | TOOH w/ tub   | _   |                |                         |                 | clean<br>0.5bbl of cement                   | roturne of        | the nit            |                |                        |            |               |
| 9:30  | -                      | -                | -                | -                     | -                        | SDWOC 4h  |   |                |                         | _               |   |                   |                    |                |                        |            |               |
|   | 300                    | 0                | 3.00             | 12.70                 | H2O                      | Pumped 12.7   | bbls water o  |                |                         |                 |   |                   |                    |                |                        |            |               |
|   | 275                    | 0                | 3.00             | 13.30                 | CEMENT                   |   |   |                |                         |                 | ft/ft, 5.0gals/sk))                         |                   |                    |                |                        |            |               |
| 7:30  | 350                    | 0                | 2.00             | 2.00                  | -<br>H2O                 | TIH w/ tubing<br>Pumped 2.0b                          |   |                |                         |                 | prepare for cem                             | nent              |                    |                |                        |            |               |
| 7:15  | 0                      | 0/0              | -                | -                     | -                        |   | Check PSI on Well: Tbg = 0psi; Csg = 0psi; BH = 0psi. |                |                         |                 |   |                   |                    |                |                        |            |               |
| 7:00  | -                      | -                | -                | -                     | -                        |   | Pre-Start Inspection, Service & Start equipment       |                |                         |                 |   |                   |                    |                |                        |            |               |
| 5:00  | -                      | -                | -                | -                     | -                        | Travel to loca  |   |                |                         |                 |   |                   |                    |                |                        |            |               |
| HR: MIN:  | PIPE                   | ANNULUS          | BPM:             | PUMPED:               | TYPE:                    | TEST LINES:<br>CIRCULATED TH                          | HE WELL:  |                | RIG PUMP                | PSI<br>CMT PUMF | 7   | ł                 |                    |                |                        |            |               |
| TIME  | PRESSL                 |                  | RATE             | BBL FLUID             | FLUID                    | SAFETY MEETIN   | NG:   | CREW           | · 🗾                     | CO. REP.        | _   |                   |                    |                |                        |            |               |
|   |                        | PUMP DE          | TAILS:           | L                     |                          |   |   |                |                         |                 | DAILY SU                                    | MMARY:            |                    |                |                        |            |               |
|   |                        | PRIOR TO CEN     |                  |                       |                          |   |   |                |                         |                 |   |                   |                    |                |                        |            |               |
| EXDI VI   | IATION: TRO            | JBLE SETTING     | TOOL             |                       |                          | _   |   | _              |                         |                 |   |                   |                    |                |                        |            | _             |
| .55110  | 5,151110               | 5,151110         | ·OIAL            | - 5 1 200             | 101                      |   | 650   | TOTTLE         | 1,100                   | TOTTED          | 650   |                   | FRE                | SH WATER       | 8.33                   | 1          | WATER         |
| TUBING  | CASING                 | CASING           | ME; BBL<br>TOTAL | CAL. PSI<br>BUMP PLUG |                          | MAX PSI<br>REVERSE                                    | OP. MAX<br>SQ. PSI                                    | RATED          | X TBG. PSI OPER         | MAX<br>RATED    | OPER  | 1                 |                    | TYPE           | LUID<br>WEIGHT         | +          | ATER<br>OURCE |
| 7   | 23.00                  | J-55             | 4124'            |                       |                          |   | 4051'   | 5805           | ı.                      | 2 3/8           | 8 ROUND                                     |                   |                    | PRODUCE        | D WATER                | 8.40       |               |
| SIZE  | WEIGHT                 | TYPE             | DEPTH            | -                     | -CMT RET-BR<br>D & TYPE  | PL-LINER<br>DEPTH                                     | TOP   | BOTTO          | М                       | SIZE            | THREAD                                      | •                 |                    | TY             | PE                     | WEIGHT     |               |
| 12 1/2  | 100%<br>LAST C         | 234'             | 9 5/8            | 23.00                 | H-40                     | 230'  | 2 3/8<br>PERF DE                                      | 4.70           | J-55                    | 3626'           | CONNECTION                                  |                   |                    |                | 0                      | <u>l</u>   |               |
| SIZE  | HOLE<br>% EXCESS       | DEPTH            | SIZE             | WEIGHT                | TYPE                     | DEPTH   | SIZE  | WEIGH          | T TYPE                  | DEPTH           |   |                   | SHOE               | FLOAT          | STAGE                  | 1          |               |
| AVAILABLE I   |                        | 400.0            | BBLS             |                       |                          | DISPLACEMENT \  | WATER:  |                | 0 BBLS                  |                 |   |                   | 1                  | COLL 45 555    |                        | IIX WATER: | 31.2          |
| Top off: Pumped 5.1bbls cement slurry ((25sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) to top off 7" casing & fill cellar |                        |                  |                  |                       |                          |   |   |                |                         |                 | Surface                                     | 15.80             | 1.15               | 5.00           |                        | 5.1        | 3.0           |
| Plug 4: Pumped 16.0bbls cement slurry ((78sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))                                    |                        |                  |                  |                       |                          |   |   |                |                         |                 |   |                   |                    |                |                        |            |               |
| Plua 4: Pu  | mped 16.0b             | bls cement       | slurry ((78      | 3sx: 15.8p            | pa. 1.15cuft             | t/ft. 5.0gals/sk                                      | Surface   | 15.80          | 1.15                    | 5.00            |   | 16.0              | 9.3                |                |                        |            |               |
| Plug 3: Pumped 6.8bbls cement slurry ((33sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))                                     |                        |                  |                  |                       |                          |   |   |                |                         |                 |   | 15.80             | 1.15               | 5.00           |                        | 6.8        | 3.9           |
| Plug 2: Pu  | mped 12.5b             | bls cement       | slurry ((61      | 1sx; 15.8p            | pg, 1.15cuft             | t/ft, 5.0gals/sk                                      |   | 2674'          | 15.80                   | 1.15            | 5.00  |                   | 12.5               | 7.3            |                        |            |               |
|   |                        |                  |                  |                       |                          | _   |   |                |                         |                 |   |                   |                    |                |                        |            |               |
|   | H - FRES<br>mped 13.3b |                  | slurry ((6º      | 5sx: 15.8n            | pg. 1.15cuff             | t/ft, 5.0gals/sk                                      | 3))   |                |                         |                 | 3318'                                       | 15.80             | 1.15               | 5.00           |                        | 13.3       | 7.7           |
|   |                        |                  |                  |                       |                          |   |   |                |                         | <u> </u>        | FLUID:                                      | Lb/gal            | Cuft/sk            | Gals/sk        | hr:mm                  | bbls       | bbls          |
|   |                        |                  |                  |                       | TTOM                     |   | †   |                |                         | MANIFOLD:       | OF<br>EACH                                  | SLURRY<br>WEIGHT: | SLURRY<br>YIELD:   | WATER<br>REQ.: | PUMP<br>TIME:          | SLURRY:    | MIX<br>WATER  |
| MATERIALS FURNISHED: TYPE OF PLUG   |                        |                  |                  |                       | JGS:                     | LIST C  | SG. HAF   | RDWARE:        | SQUEEZE                 | TOP             |   | 1                 | HYSICAL SLURF      | 1              |                        |            |               |
|   | CONTRACTO              |                  | RIG 450          | AO 14B #2             |                          |   | OPERATOR  |                |                         | LL SERVIC       | =   | COUNTY:           |                    | RIO ARRIBA     | STATE:                 | NEW        | MEXICO        |
|   | R:<br>VELL NAME        |                  |                  | AS 14B #2             | PERATING,                | LLC.  | DATE:<br>LOCATION                                     |                | September<br>Sec.15,T32 |                 | API Number:<br>SERVICE SUP:                 | 30-039            | 9-30962<br>DEAN ME | TYPE OF JOB:   |                        | P & A      |               |
| CUSTOME   | p.                     |                  | MODNING          | CSTAP OF              | PERATING                 |   | DATE:   |                |                         |                 |   | 20.020            | 7-30063            | TYPE OF IOD    |                        | D S A      |               |

#### <u> Page 6 of</u> 7

KB = 13.5 ftGL = 6.536 ftAPI# 30-039-30962

Prepared by MStodola2: 01/02/2018 B.Savage/BBerry: 07/20/2023

Updated BBerry 10/2/2023

Spud Date: 08/19/2011

P&A: 09/27/2023

First Delivered: 11/16/2011 Sidetrack: 05/05/2012

# MorningStar Operating, LLC

## Carracas 14B-2H **Rio Arriba County, NM**

Sec 15, 32N-4W

TD - 6,004' MD; 3,374' TVD PBTD - 5,890'; 3,369' TVD

12 1/4" hole to 234'

Sfc Csg: 5 jts - 9 5/8" 32.3# H-40 ST&C

Setting Depth: 230 ft

Cement

125 sx Class G

circ. 10 bbls cmt to surface

8 3/4" hole to 4126'

Int. Csg: 97 jts 7" 23# J-55 LT&C

Setting Depth: 4124 ft

Cement 480 sx 65/35

Tail: 150 sx Class G

circ. 5 bbls cmt to surface

6 1/4" hole to 4,551' (09/01/2011)

Liner: 12 its 4.5", 11.6#, J-55 LTC

Setting Depth: 4,551' Top of Liner: 4,046'

**No Cement** 

6-1/4" hole from Mill Window (3,972'-3,980') Drill to 6,004' MD. Drilling BHA stuck. Unsuccessful attempts to retrieve. Drilling BHA Fish In Hole from 3,704' - 5,955'. LINER: 4", 14#, S135 Drill Pipe w/ BHA

> 05/05/2012 CIBP @3990' Whipstock on top. Mill Window: 3,972' - 3,980'

#### Perforations 09/2011

4,051' - 4,464' (413 holes, 1 spf)

Acidized w/ 1200 gals 15% HCL. Flow back. Acidize w/ 1,176 gals 15% HCl. Flow back.

#### Re-Perforate (10/15/2011)

6 SPF, 360 holes

4,230' - 4,250'

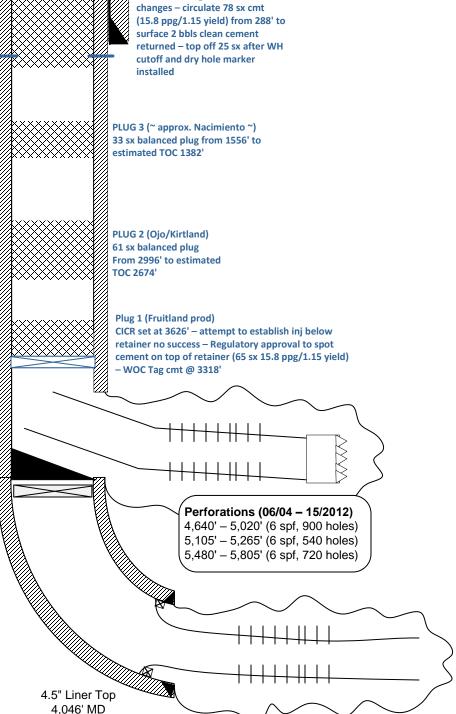
4,354' - 4,374'

4,480' - 4,500

#### Acidized w/ 1500 gals 15% HCl. Released to Imaging: 10/27/2023 4:15:59 PM

# **Current WBD - P&A** 09/27/2023

Sidetrack First Delivered: 07/20/2012 Plug 4 (surface shoe plug) Perforate @ 255' to monitor BH as per NMOCD request, nothing seen during perf, monitor addt'l 30 min nothing observed/no changes - circulate 78 sx cmt surface 2 bbls clean cement returned - top off 25 sx after WH cutoff and dry hole marker



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 Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 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 272466

#### **CONDITIONS**

| Operator:                 | OGRID:                         |
|---------------------------|--------------------------------|
| MorningStar Operating LLC | 330132                         |
| 400 W 7th St              | Action Number:                 |
| Fort Worth, TX 76102      | 272466                         |
|                           | Action Type:                   |
|                           | [C-103] Sub. Plugging (C-103P) |

#### CONDITIONS

| Created By | Condition              | Condition Date |
|------------|------------------------|----------------|
| mkuehling  | well plugged 9/27/2023 | 10/27/2023     |