

Well Name: CARRACAS 14B	Well Location: T32N / R4W / SEC 15 / SWNE / 36.989239 / -107.239399	County or Parish/State: RIO ARRIBA / NM
Well Number: 2H	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: FEE	Unit or CA Name: 2H CARRACAS 14B - FRCL	Unit or CA Number: 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

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Well Number: 2H

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Allottee or Tribe Name:

Lease Number: FEE

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Unit or CA Number: NMNM112654

US Well Number: 300393096200S1

Well Status: Abandoned

Operator: MORNINGSTAR 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

Operator Electronic Signature: CONNIE BLAYLOCK

Signed on: OCT 03, 2023 01:27 PM

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



AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: MORNINGSTAR OPERATING, LLC.		DATE: September 27, 2023	API Number: 30-039-30962	TYPE OF JOB: P & A
LEASE & WELL NAME: CARRACAS 14B #2H		LOCATION: Sec.15,T321N,R04W	SERVICE SUP: DEAN MESTAS	
SERVICE CONTRACTOR: RIG 450		OPERATOR: AZTEC WELL SERVICE	COUNTY: RIO ARRIBA	STATE: NEW MEXICO

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD:	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:					
	TOP					SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER REQ.: Gals/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls
	BOTTOM										

PRE-FLUSH - FRESH WATER										
Plug 1: Pumped 13.3bbls cement slurry ((65sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					3318'	15.80	1.15	5.00	13.3	7.7
Plug 2: Pumped 12.5bbls cement slurry ((61sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					2674'	15.80	1.15	5.00	12.5	7.3
Plug 3: Pumped 6.8bbls cement slurry ((33sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					1382'	15.80	1.15	5.00	6.8	3.9
Plug 4: Pumped 16.0bbls cement slurry ((78sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					Surface	15.80	1.15	5.00	16.0	9.3
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

AVAILABLE MIX WATER: 400.0 BBLs	AVAILABLE DISPLACEMENT WATER: 360.0 BBLs	TOTAL MIX WATER: 31.2
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HOLE				TBG.-CSG.-D.P.				TBG.-CSG.-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH		SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE
12 1/2	100%	234'	9 5/8	23.00	H-40	230'	2 3/8	4.70	J-55	3626'				0

LAST CASING				PKR-CMT RET-BR PL-LINER		PERF DEPTHS		TOP CONNECTION		WELLBORE FLUID	
SIZE	WEIGHT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BOTTOM	SIZE	THREAD	TYPE	WEIGHT
7	23.00	J-55	4124'			4051'	5805'	2 3/8	8 ROUND		8.40

CALCULATED DISPLACEMENT VOLUME; BBL				CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG. PSI	MAX CASING PSI	DISPLACEMENT FLUID		WATER		
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SQ. PSI	RATED	OPER	RATED	OPER	TYPE	WEIGHT	SOURCE
						650		1,100		650	FRESH WATER	8.33	CITY WATER

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING:

PUMP DETAILS:						DAILY SUMMARY:					
TIME	PRESSURE - PSI		RATE	BBL FLUID	FLUID	SAFETY MEETING:		CREW		CO. REP.	
HR: MIN:	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES:	PSI				
						CIRCULATED THE WELL:	RIG PUMP		CMT PUMP		

5:00	-	-	-	-	-	Travel to location					
7:00	-	-	-	-	-	Pre-Start Inspection, Service & Start equipment					
7:15	0	0/0	-	-	-	Check PSI on Well: Tbg = 0psi; Csg = 0psi; BH = 0psi.					
7:30	-	-	-	-	-	TIH w/ tubing to top or retainer...tagged to verify depth...prepare for cement					
	350	0	2.00	2.00	H2O	Pumped 2.0bbls fresh water ahead to load casing					
	275	0	3.00	13.30	CEMENT	Pumped 13.3bbls cement slurry ((65sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					
	300	0	3.00	12.70	H2O	Pumped 12.7bbls water displacement... Estimated TOC @ 3289'					
9:30	-	-	-	-	-	SD...WOC 4hrs					
	-	-	-	-	-	TOOH w/ tubing to 3091'...prepare to reverse circulate clean					
	250	0	2.50	14.00	H2O	Pumped 14.0bbls water to reverse circulate clean...had 0.5bbl of cement returns at the pit					
	-	-	-	-	-	SD...resume WIC time					
	-	-	-	-	-	TIH w/ tubing to tag top of cement...Tagged TOC @ 3318'					
	-	-	-	-	-	TOOH & LD tubig to 2996'...prepare for cement					
	250	0	2.00	2.00	H2O	Pumped 2.0bbls fresh water ahead to load casing					
	200	0	3.00	12.50	CEMENT	Pumped 12.5bbls cement slurry ((61sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					
	225	0	3.00	10.30	H2O	Pumped 10.3bbls water displacement... Estimated TOC @ 2674'					
	-	-	-	-	-	SD					
	-	-	-	-	-	TOOH w/ tubing to 1556'...prepare for cement					
	200	0	2.00	4.00	H2O	Pumped 4.0bbls fresh water ahead to load casing					
	175	0	2.00	6.80	CEMENT	Pumped 6.8bbls cement slurry ((33sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					
	175	0	2.00	5.30	H2O	Pumped 5.3bbls water displacement... Estimated TOC @ 1382'					
	-	-	-	-	-	SD...Rig down all handling equipment and rig floor, ND and wash out BOP					
	-	-	-	-	-	TOOH & LD tubing and LD tag sub...prepare for wireline					
	-	-	-	-	-	MIRU wirelone services					
	-	-	-	-	-	RIH w/ perf gun & WL to perf depth of 255'...Monitored BH, had no action observed while perforating					
	-	-	-	-	-	ROOH w/ wireline & LD perf gun...verified all shots fired...cont to Monitored BH for 30mins...no change, prepare for cement					
	-	-	-	-	-	TIH w/ tubing to 288'...prepare for cement					
	150	0	2.00	2.00	H2O	Pumped 2.0bbls fresh water ahead to load casing					
	150	0	2.00	16.00	CEMENT	Pumped 16.0bbls cement slurry ((78sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))...circulate 2.0bbls good cement to surface...shutdown					
	-	-	-	-	-	TOOH & LD tubing...Rig down all handling equipment and rig floor, NDBOP and wash out & wash equipment...prepare to cutoff WH					
	-	-	-	-	-	MIRU welder...cut wellhead off...had cement to surface on BH...TOC for 7" @ 19'					
	-	-	-	-	-	Install dryhole marker					
	-	-	2.00	5.10	CEMENT	Pumped 5.1bbls cement slurry ((25sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) to top off 7" casing & fill cellar					
	-	-	-	-	-	SD					
	-	-	-	-	-	Secure wellhead and equipment...SDON					
20:00	-	-	-	-	-	Travel to the yard					

BUMPED PLUG:	PSI TO BUMP PLUG:	TEST FLOAT EQUIPMENT:	TOTAL BBL PUMPED:	BBL CMT. RETURNS/ REVERSED:	PSI LEFT ON CSG.:	SPOT TOP CEMENT:	AZTEC WELL SERVICING CO REP.: DEAN MESTAS	CUSTOMER REP.: JASON PEACE
			106.0		0	Surface	CUSTOMER REP. SIGNATURE:	CUSTOMER AUTHORIZING AGENT

MorningStar Operating, LLC

Current WBD - P&A 09/27/2023

Prepared by MStodola2: 01/02/2018
B.Savage/BBerry: 07/20/2023
Updated BBerry 10/2/2023

KB = 13.5 ft
GL = 6,536 ft
API# 30-039-30962

Spud Date: 08/19/2011
First Delivered: 11/16/2011
Sidetrack: 05/05/2012
Sidetrack First Delivered: 07/20/2012
P&A: 09/27/2023

Carracas 14B-2H Rio Arriba County, NM

Sec 15, 32N-4W

TD – 6,004' MD; 3,374' TVD
PBSD – 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 jts 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

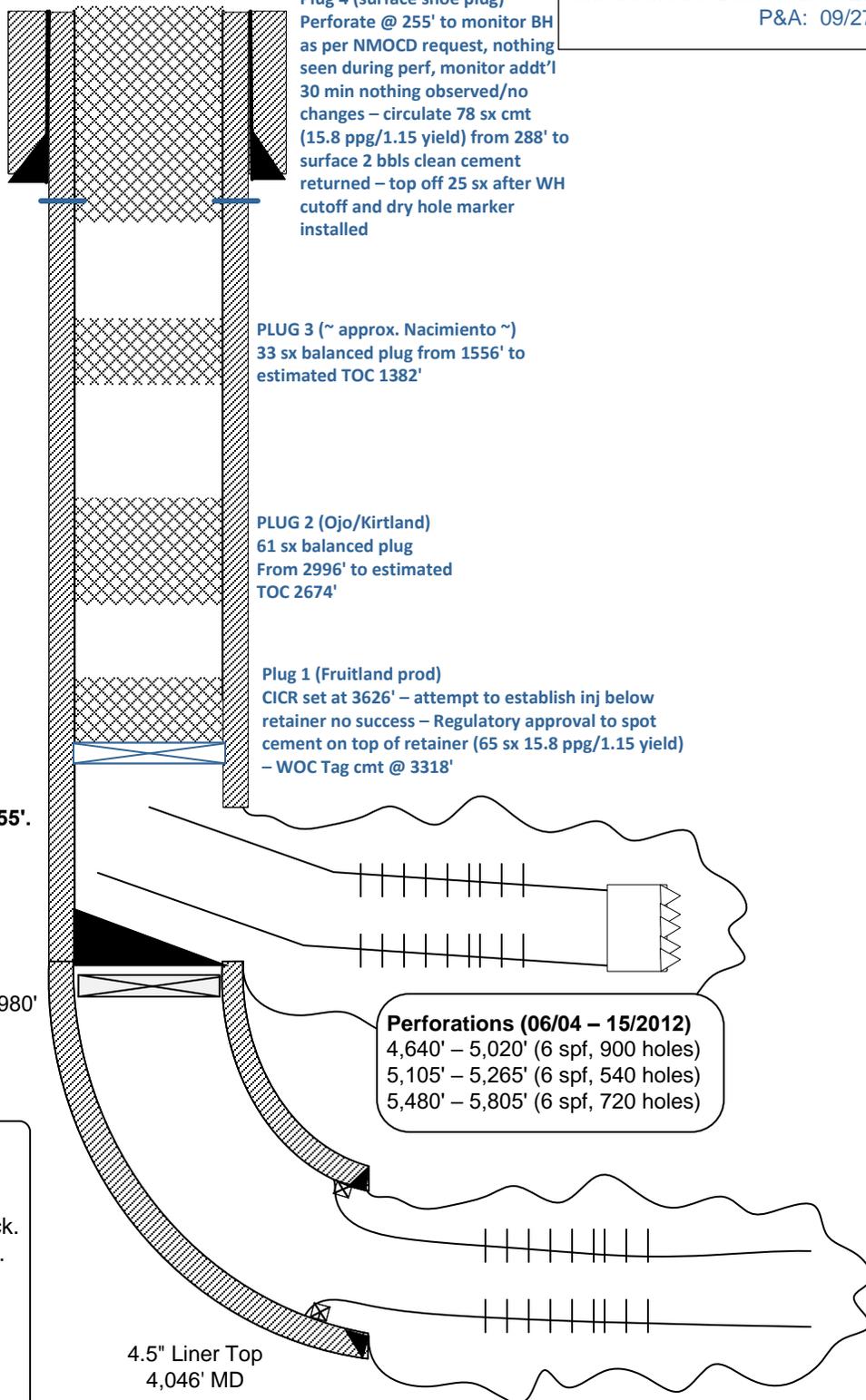
05/05/2012
CIBP @3990'
Whipstock on top.
Mill Window: 3,972' – 3,980'

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.



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
(15.8 ppg/1.15 yield) from 288' to
surface 2 bbls clean cement
returned – top off 25 sx after WH
cutoff and dry hole marker
installed

PLUG 3 (~ approx. Nacimiento ~)
33 sx balanced plug from 1556' to
estimated TOC 1382'

PLUG 2 (Ojo/Kirtland)
61 sx balanced plug
From 2996' to estimated
TOC 2674'

Plug 1 (Fruitland prod)
CICR set at 3626' – attempt to establish inj below
retainer no success – Regulatory approval to spot
cement on top of retainer (65 sx 15.8 ppg/1.15 yield)
– WOC Tag cmt @ 3318'

Perforations (06/04 – 15/2012)
4,640' – 5,020' (6 spf, 900 holes)
5,105' – 5,265' (6 spf, 540 holes)
5,480' – 5,805' (6 spf, 720 holes)

4.5" Liner Top
4,046' MD

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

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

CONDITIONS

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