

Well Name: CARSON	Well Location: T30N / R4W / SEC 32 / NWSW / 36.766748 / -107.284242	County or Parish/State: RIO ARRIBA / NM
Well Number: 13A	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079488A	Unit or CA Name:	Unit or CA Number:
US Well Number: 300392755700S1	Well Status: Abandoned	Operator: MORNINGSTAR OPERATING LLC

Subsequent Report

Sundry ID: 2757263

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/19/2023

Time Sundry Submitted: 01:38

Date Operation Actually Began: 10/04/2023

Actual Procedure: MorningStar Operating LLC has plugged and abandoned the Carson 13A as of 10/10/2023. Attached are the Daily Cement Reports and Final WBD.

SR Attachments

Actual Procedure

Carson__13A_WBD_Final_PA_10_2023_20231019133807.pdf

Carson_13A_Cementing_Reports_20231019133755.pdf

Well Name: CARSON

Well Location: T30N / R4W / SEC 32 / NWSW / 36.766748 / -107.284242

County or Parish/State: RIO ARRIBA / NM

Well Number: 13A

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF079488A

Unit or CA Name:

Unit or CA Number:

US Well Number: 300392755700S1

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 19, 2023 01:38 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: 10/19/2023

Signature: Matthew Kade



CEMENT JOB DETAIL SHEET

CUSTOMER:	MORNINGSTAR OPERATING, LLC.	DATE:	October 9, 2023	API Number:	30-039-27557	TYPE OF JOB:	P & A
LEASE & WELL NAME:	CARSON #13A	LOCATION:	Sec.32,T330N,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 3: Pumped 13.9bbls cement slurry ((74sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) 26sx out, 6.5sx blw, 41.5sx on top	1708'	15.80	1.15	5.0				13.9	8.8	
Plug 4: Pumped 9.2bbls cement slurry ((45sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))	1033'	15.80	1.15	5.0				9.2	5.4	

AVAILABLE MIX WATER:	400.0 BBLs	AVAILABLE DISPLACEMENT WATER:	360.0 BBLs	TOTAL MIX WATER:	14.2
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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%	250'		9 5/8	32.30	H-40	246'	2 3/8	4.70	J-55	4594'			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		
4 1/2	10.50	J-55	5390'			6346'	6916'	2 3/8	8 ROUND	PRODUCED WATER	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	
						750			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						
5:30	-	-	-	-	-	-	Travel to location								
6:45	-	-	-	-	-	-	Pre-Start Inspection, Service & Start equipment								
7:00	0	0/0	-	-	-	-	Check PSI on Well: Tbg = 0psi; Csg = 0psi; BH = 0psi.								
7:15	-	-	-	-	-	-	TIH w/ CICR & tubing to setting depth of 1921'...rotate & set retainer successfully...STING out								
8:20	300	0	4.00	62.00	H2O		Pumped 62.0bbls to load casing & circulate...STING back into retainer...prepare for cement								
8:48	250	0	2.50	4.00	CEMENT		Pumped 4.0bbls to establish injection rate...had circulated on the backside								
8:51	250	0	2.50	13.90	H2O		Pumped 13.9bbls cement slurry ((74sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) 26sx outside casing, 6.5sx below ret., 41.5sx on top retainer								
8:58	-	-	-	-	-	-	SD...STING OUT								
9:07	-	0	2.50	6.60	H2O		Pumped 6.6bbls water for displacement...Est.TOC @ 1708'								
9:10	-	-	-	-	-	-	SD...WOC 4hrs								
9:12	-	-	-	-	-	-	TOOH w/ tubing to 1668'								
9:22	-	-	-	-	-	-	TOOH w/ tubing & LD stinger								
-	-	-	-	-	-	-	TIH w/ tag sub & tubing to 1291'								
10:05	0	150	2.50	9.50	H2O		Pumped 9.5bbls water to reverse circulate clean to ensure no obstructions for plug 4								
10:20	-	-	-	-	-	-	SD...Resume WOC time								
13:40	-	-	-	-	-	-	TIH w/ tubing to tag top of cement...Tagged TOC at 1746'...witnessed by BLM								
-	-	-	-	-	-	-	TOOH w/ tubing to 1448'...prepare to reverse clean and pressure test casing								
13:55	1,250	1,250	2.50	8.50	H2O		Pumped 8.5bbls water to reverse circulate clean...SHUT IN casing pressure test csaing to 650psi...TESTED good.								
-	-	-	-	-	-	-	SD								
14:10	-	-	-	-	-	-	TOOH & LD tubing to 1167'								
-	-	-	-	-	-	-	TOOH w/ tubing....prepare for wireline								
14:38	-	-	-	-	-	-	MIRU wireline services								
14:45	-	-	-	-	-	-	RIH w/ perf gun & wireline to perf depth of 1210'...Perforated casing successfully								
15:15	-	-	-	-	-	-	ROOH w/ wireline & LD perf gun...verified all shots fired...prepare to establish injection rate from surface								
15:22	150	0	2.50	7.00	H2O		Pumped 7.0bbls water to load csaing & pressured out to 1250psi from surface...no break, no injection rate...witnessed by BLM								
15:30	-	-	-	-	-	-	TIH w/ tubing to 1260'...prepare for cement								
16:10	150	0	2.50	2.00	H2O		Pumped 2.0bbls fresh water ahead								
16:13	150	0	2.50	9.20	CEMENT		Pumped 9.2bbls cement slurry ((45sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))								
16:18	125	0	2.50	4.00	H2O		Pumped 4.0bbls water displacement... Estimated TOC @ 1033'								
16:21	-	-	-	-	-	-	SD...WOC 4hrs								
16:30	-	-	-	-	-	-	TOOH w/ tubing								
17:15	-	-	-	-	-	-	Secure wellhead and equipment...SDON								
17:30	-	-	-	-	-	-	Travel back 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
			126.7	0.8	0	1708'/1033'	CUSTOMER REP.:	JASON PEACE
							CUSTOMER REP. SIGNATURE:	
								CUSTOMER AUTHORIZING AGENT



AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: MORNINGSTAR OPERATING, LLC.	DATE: October 10, 2023	API Number: 30-039-27557	TYPE OF JOB: P & A
LEASE & WELL NAME: CARSON #13A	LOCATION: Sec.32,T330N,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 4: Pumped 23.6bbls cement slurry ((115sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))	Surface	15.80	1.15	5.00				23.6	13.7	
Top off: Pumped 3.1bbls cement slurry ((15sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) to top off casing & fill cellar	Surface	15.80	1.15	5.00				3.1	1.8	

AVAILABLE MIX WATER: 400.0 BBLs	AVAILABLE DISPLACEMENT WATER: 360.0 BBLs	TOTAL MIX WATER: 15.5															
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%	250'		9 5/8	32.30	H-40	246'	2 3/8	4.70	J-55	0			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	
4 1/2	10.50	J-55	5390'					6346'	6916'			2 3/8	8 ROUND		PRODUCED WATER	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		650		1,100					FRESH WATER	8.33	CITY WATER

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

PUMP DETAILS:						DAILY SUMMARY:					
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TIME HR: MIN:	PRESSURE - PSI		RATE	BBL FLUID	FLUID	SAFETY MEETING:	CREW <input checked="" type="checkbox"/>	CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES:	PSI	
						CIRCULATED THE WELL:	RIG PUMP <input type="checkbox"/>	CMT PUMP <input checked="" type="checkbox"/>
5:30	-	-	-	-	-	Travel to location		
6:45	-	-	-	-	-	Pre-Start Inspection, Service & Start equipment		
7:00	0	0/0	-	-	-	Check PSI on Well: Tbg = 0psi; Csg = 0psi; BH = 0psi.		
7:10	-	-	-	-	-	TIH w/ tubing to tag top of cement...Tagged TOC at 995', witnessed by BLM		
7:20	-	-	-	-	-	TOOH & LD tubing		
-	-	-	-	-	-	RU wireline service to perforate casing		
8:15	-	-	-	-	-	RIH w/ perf gun and wireline to perf depth of 280', perforated casing successfully		
8:23	-	-	-	-	-	ROOH w/ wireline & LD perf gun...verified all shots fired...shut in and prepare to establish injection rate from surface		
	0	150	2.50	16.00	H2O	Pumped 16.0bbls to load & circulate thru BH successfully		
9:00	-	-	-	-	-	SD...rig down rig floor & NDBOP...install WH flange...prepare for cement from surface		
	0	100	2.50	2.00	H2O	Pumped 2.0bbls fresh water ahead		
	0	100	2.50	23.60	CEMENT	Pumped 23.6bbls cement slurry ((115sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))...circulated 1.5bbls good cement to surface		
	-	-	-	-	-	SD		
10:00	-	-	-	-	-	MIRU welder...cut wellhead off...had cement to surface on both casings		
11:30	-	-	-	-	-	Install dryhole marker		
12:00	25	0	1.00	3.10	CEMENT	Pumped 3.1bbls cement slurry ((15sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) to top off & fill cellar		
12:30	-	-	-	-	-	SD...end of well		
13:00	-	-	-	-	-	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
			44.7	1.5	0	Surface	CUSTOMER REP. SIGNATURE:	CUSTOMER AUTHORIZING AGENT

MorningStar Operating, LLC

Final P&A WBD

Prepared by: JRyza
Date: 07/17/2023
Updated Bberry 10/16/2023

KB = 15 ft
GL = 7,553 ft
API# 30-039-27557

Spud Date: 05/23/2004
Well First Delivered: 07/07/2004

Carson #13A
Rio Arriba County, NM

TD – 7,210 ft MD

12-1/4" hole to 250'
Surface Csg: 5 jts 9-5/8" 32.3# H-40
Setting Depth: 246 ft

Cement
150sx Class B (177 ft³)
Circulated 15 bbls cement to surface

8-3/4" hole to 4823'
Intermediate Csg: 109 jts 7" 20#&23# J-55 ST&C
Setting Depth: 4,823 ft
DV tool @ 4063'

Cement
First Stage: 185sx 50/50 Class B poz
2nd Stage lead: 550sx 65/35 Class B poz
2nd Stage Tail: 100sx 50/50 Class B poz
TOC: 400' CBL (top of very good bond 2900')

6-1/8" hole to 7,210 ft MD
Liner: 61 jts 4-1/2" 10.5# J-55 ST&C
Setting depth: 7,210 ft
TOL: 4,632 ft

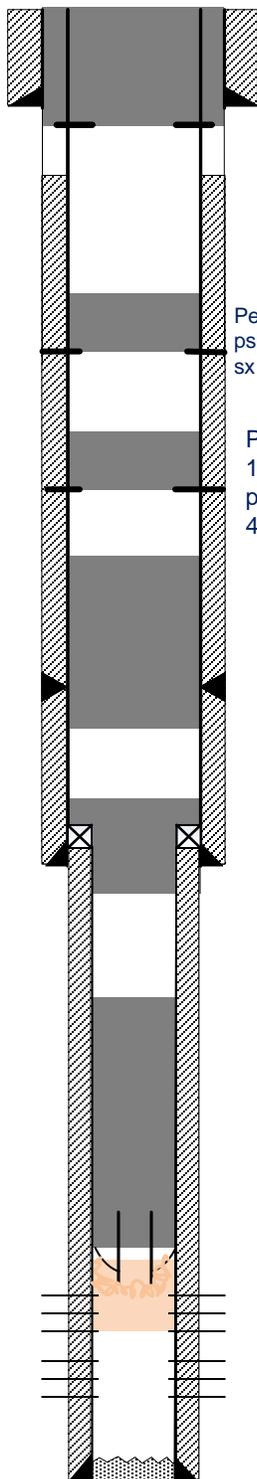
Cement
350sx 50/50 Class B poz
Circulated 7 bbls cmt to surface

Perfs (Upper MV): 1 spf, 43 holes:
6,346', 48', 50', 56', 58', 84', 86', 98',
6,400', 02', 10', 12'-18', 36', 38', 40', 42', 44', 86',
88', 90', 92', 94', 96',
6,504', 06', 08', 10', 12', 14', 27', 29', 57', 59',
80', 81', 83', 85'

Completion:
36,585 gals 60Q foamed slickwater &
67,400# 20/40 sand

Perfs (Lwr MV): 1 spf, 29 holes:
6,755', 57', 59', 64', 66', 68',
6,826'-32', 45', 47', 77'-79', 90', 92', 94', 96', 98',
6,916', 18', 20', 22', 24', 26'

Completion:
30,500 gals 60Q foamed slickwater &
50,000# 20/40 sand



Perf 280' – establish circulation – pump 115
sx 280' – 0' (inside/outside) – cmt to surf
both casings – cut off WH, Weld on DHM,
top off with 15 sx cmt

Perf 1210' – attempt injection into perf holes, pressure up to 1250
psi no break/no injection rate witnessed by BLM rep – pump 45
sx cmt from 1210' - 998' (WOC Tag 995' Witnessed by BLM rep)

Perf 1951' – set retainer 1921' – pump 74 sx cmt from
1951' - 1746' (WOC tag 1746' witnessed by BLM rep) –
pumped est 26 sx through perfs, 6.5 sx below retainer,
41.5 sx on top of retainer

158 sx cmt from 4341' - 3498' (WOC Tag depth 3498' –
tag witnessed by BLM rep)

33 sx cmt from 4683' - 4483' (WOC tag @ 4483')
– tag witnessed by BLM rep

Spotted 19 sx cmt above, TOC @ 5390'

Cut tbg @ 5750'
Scraper stuck @ 5973'

MV Perfs:
6,346' – 6,585' (overall)
6,755' – 6,926' (overall)

PBTD: 7,166 ft MD

Nacimiento: 1160'
Ojo Alamo: 3640'
Kirtland: 3888'
Fruitland: 4075'
Pictured Cliffs: 4278'
Chacra: 5530'
MV Cliff House: 6108'
Menefee: 6415'
Point Lookout: 6660'

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 277739

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 277739
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

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