

Well Name: BLANCO	Well Location: T27N / R9W / SEC 12 / SWSW / 36.585434 / -107.74501	County or Parish/State: SAN JUAN / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: I149IND8465	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004506605	Well Status: Gas Well Shut In	Operator: ENDURING RESOURCES LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/30/2021	Time Sundry Submitted: 10:07
Date Operation Actually Began: 07/21/2021	
Actual Procedure: WELL P&A'D 7/28/21 SEE ATTACHED FOR PROCEDURE AND WELL BORE DIAGRAM	

SR Attachments

- Actual Procedure
- BLANCO_04_P_A_WBD_FINAL_20210730100730.pdf
 - BLANCO_004_PA_WORK_SUMMARY_2021_20210730100720.pdf

County or Parish/State: SAN JUAN / NM

Allottee or Tribe Name:
EASTERN NAVAJO

Unit or CA Number:

Operator: ENDURING
RESOURCES LLC

BLANCO 004 30-045-06605 P&A WORK SUMMARY

7/21/2021- MIRU DWS Rig #31 & equipment. TOO H & LD 2-3/8" production tubing. Expert Slickline performed slick-line audit to check for production equipment 7/17/2021. Could not get to EOT. Set 3-slip stop @ 1,200'.

7/22/2021- TIH w/ 7" csg scraper to liner top @ 4,224'. TOO H. TIH w/5-1/2" csg scraper to 4,332'. TOO H. TIH w/5-1/2" CICR & set @ 4,291'. Load hole & circulate with fresh water. SDFN. BLM Representative Jimmy Dobson on location to witness P&A operations.

7/23/2021- TOO H. Run CBL on 5-1/2" liner from 4,291' - 4,222'. Log 7" csg from 4,222' - surface. TIH w/ workstring. Pump Plug #1 from 4,291' - 4,023'. WOC. Tag Plug #1 (OK). Attempt to pressure test 7" csg (No test). Pump Plug #2 from 3,761' - 3,540'. PUH. SDFN. SDFWE BLM Representative Jimmy Dobson on location to witness P&A operations.

7/26/2021- Tag Plug #2 @ 3,562' (OK). PUH & Pump Plug #3 from 2,995' - 2,845'. WOC. Tag Plug #2 @ 2,823' (OK). TOO H. RIH w/WL & perf squeeze holes for Plug #4 @ 2,195'. TIH w/7" CICR on work-string & set @ 2,146'. Establish injection with water. Pump Plug #4. Pressure out before pumping full volume thru CICR. Sting out. Pump Plug #4 on top of CICR. TOO H. BLM Representative Jimmy Dobson on location to witness P&A operations.

7/27/2021- Tag Plug #4. TOO H. RIH w/WL & perforate for Plug #4A @ 1,905'. PU 7" packer & TIH. Set Packer @ 1,861'. Establish injection rate through squeeze holes (verify holes open). Note circulation up 7" x 2-3/8" annulus. Begin TOO H resetting packer & testing for casing leak. Locate casing leak between 397' & 430'. TOO H. TIH w/7" CICR & set @ 1,861'. Pump Plug #4A from 1,905' - 1,585'. TOO H. BLM Representative Jimmy Dobson on location to witness P&A operations.

7/28/2021- TIH & tag Plug #4A @ 1,568' (OK). TOO H. RIH w/WL & perforate for Plug #5 @ 1,272'. TIH w/7" CICR & set @ 1,210'. Pump Plug #5 from 2,172' - 978'. TOO H. WOC. TIH & tag Plug #5 @ 1,002' (OK). RIH w/WL & perforate for Plug #6 @ 223'. Pump Plug #6 down csg from 223' - surface. Cement returns out braden-head. Dig out & cut off well-head. Top off casing. Surface casing & production casing full to surface. Weld on P&A marker. RDMO workover rig. BLM Representative Jimmy Dobson on location to witness P&A operations.

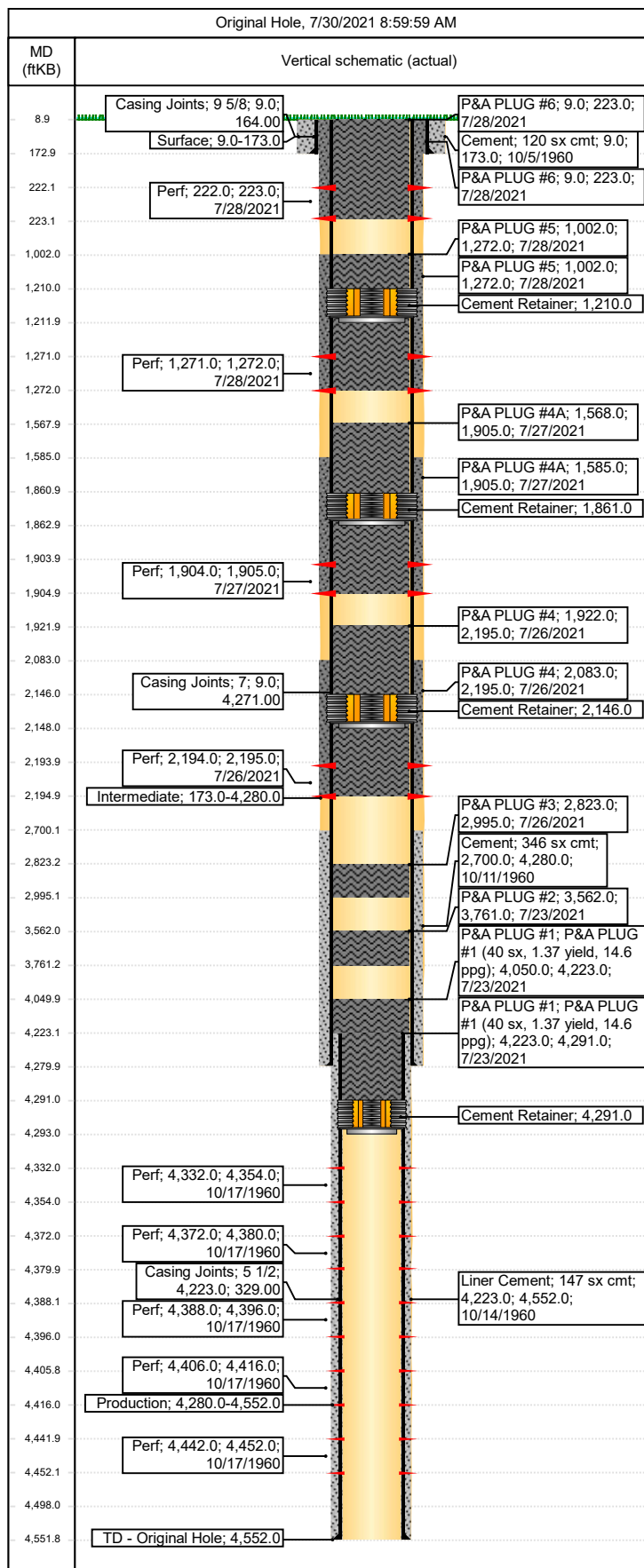
7/29/2021- Check TOC on csg (OK). Complete haul off of fluid & tanks & equipment. Secure location. BLM Representative Jimmy Dobson on location to witness P&A operations.



Enduring Resources IV - P&A WBD

Well Name: Blanco 4

API/UWI 30-045-06605	Surface Legal Location M SW-SW, Sec 12, Twp 27N, Rng 09W, 2...	Field Name Blanco	License #	State/Province New Mexico	Well Configuration Type
Original KB Elevation (ft) 5,998.00	KB-Tubing Head Distance (ft)	Spud Date 10/5/1960 00:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)



Wellbore Sections					
Section Description	Size (in)	Act Top (ft...	Act Top (T...	Act Btm (ft...	Act Btm (T...
Surface	12 1/4	9.0		173.0	
Section Description	Size (in)	Act Top (ft...	Act Top (T...	Act Btm (ft...	Act Btm (T...
Intermediate	8 5/8	173.0		4,280.0	
Section Description	Size (in)	Act Top (ft...	Act Top (T...	Act Btm (ft...	Act Btm (T...
Production	6 1/2	4,280.0		4,552.0	
9 5/8 in casing, 173.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	32.30	H-40		9.0	173.0
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints		4	164.00	9.0	173.0
7 in casing, 4,280.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
7	20.00	J-55		9.0	4,280.0
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints		102	4,271.00	9.0	4,280.0
5 1/2 in casing, 4,552.0ftKB					
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	15.50	J-55		4,222.0	4,552.0
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Liner Hanger		1	1.00	4,222.0	4,223.0
Casing Joints		10	329.00	4,223.0	4,552.0
Other In Hole					
Description	Run Date	Top (ftKB)	Btm (ftKB)	Comment	
Cement Retainer	7/22/2021	4,291.0	4,293.0	CR for PLUG #1	
Description	Run Date	Top (ftKB)	Btm (ftKB)	Comment	
Cement Retainer	7/26/2021	2,146.0	2,148.0	CR for PLUG #4	
Description	Run Date	Top (ftKB)	Btm (ftKB)	Comment	
Cement Retainer	7/27/2021	1,861.0	1,863.0	CR for PLUG #4A	
Description	Run Date	Top (ftKB)	Btm (ftKB)	Comment	
Cement Retainer	7/28/2021	1,210.0	1,212.0	CR for PLUG #5	
Cement					
Surface Casing Cement, Casing, 10/5/1960 14:00					
Comment			Cementing Start Date	Cementing End Date	
Cmt w/120 sx; circ cmt to surf			10/5/1960	10/5/1960	
Top Depth (ftKB)		Bottom Depth (ftKB)			
9.0		173.0			
Intermediate Casing Cement, Casing, 10/11/1960 14:00					
Comment			Cementing Start Date	Cementing End Date	
TOC estimated @ 2,700' per temp survey			10/11/1960	10/11/1960	
Top Depth (ftKB)		Bottom Depth (ftKB)			
2,700.0		4,280.0			
Liner Cement, Casing, 10/14/1960 14:00					
Comment			Cementing Start Date	Cementing End Date	
Cmt liner w/147 sx			10/14/1960	10/14/1960	
Top Depth (ftKB)		Bottom Depth (ftKB)			
4,223.0		4,552.0			
P&A PLUG #1, Plug, 7/23/2021 12:00					
Comment			Cementing Start Date	Cementing End Date	
P&A PLUG #1 (40 sx, 1.37 yield, 14.6 ppg)			7/23/2021	7/23/2021	
Top Depth (ftKB)		Bottom Depth (ftKB)			
4,223.0		4,291.0			
P&A PLUG #1, Plug, 7/23/2021 12:00					
Comment			Cementing Start Date	Cementing End Date	
P&A PLUG #1 (40 sx, 1.37 yield, 14.6 ppg)			7/23/2021	7/23/2021	
Top Depth (ftKB)		Bottom Depth (ftKB)			
4,050.0		4,223.0			
P&A PLUG #2, Plug, 7/23/2021 18:00					
Comment			Cementing Start Date	Cementing End Date	
P&A PLUG #2 (36 sx, 1.37 yield, 14.6 ppg)			7/23/2021	7/23/2021	
Top Depth (ftKB)		Bottom Depth (ftKB)			
3,562.0		3,761.0			
P&A PLUG #3, Plug, 7/26/2021 08:00					
Comment			Cementing Start Date	Cementing End Date	
P&A PLUG #3 (34 sx, 1.37 yield, 14.6 ppg)			7/26/2021	7/26/2021	
Top Depth (ftKB)		Bottom Depth (ftKB)			
2,823.0		2,995.0			
P&A PLUG #4, Casing - Remedial, 7/26/2021 15:15					
Comment			Cementing Start Date	Cementing End Date	
P&A PLUG #4 (58 sx, 1.37 yield, 14.6 ppg)			7/26/2021	7/26/2021	



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Original KB Elevation (ft) 5,998.00	KB-Tubing Head Distance (ft)	Spud Date 10/5/1960 00:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Original Hole, 7/30/2021 9:00:00 AM		Top Depth (ftKB)	Bottom Depth (ftKB)
MD (ftKB)	Vertical schematic (actual)	2,083.0	2,195.0
8.9	Casing Joints; 9 5/8; 9.0; 164.00	P&A PLUG #4, Plug, 7/26/2021 15:15	
172.9	Surface; 9.0-173.0	Comment	Cementing Start Date
222.1		P&A PLUG #4 (58 sx, 1.37 yield, 14.6 ppg)	7/26/2021
223.1	Perf; 222.0; 223.0; 7/28/2021	Top Depth (ftKB)	Cementing End Date
1,002.0		1,922.0	7/26/2021
1,210.0		Bottom Depth (ftKB)	
1,211.9		2,195.0	
1,271.0		P&A PLUG #4A, Casing - Remedial, 7/27/2021 17:15	
1,272.0	Perf; 1,271.0; 1,272.0; 7/28/2021	Comment	Cementing Start Date
1,567.9		P&A PLUG #4A (114 sx, 1.37 yield, 14.6 ppg)	7/27/2021
1,585.0		Top Depth (ftKB)	Cementing End Date
1,860.9		1,585.0	7/27/2021
1,862.9		Bottom Depth (ftKB)	
1,903.9		1,905.0	
1,904.9	Perf; 1,904.0; 1,905.0; 7/27/2021	P&A PLUG #4A, Plug, 7/27/2021 17:15	
1,921.9		Comment	Cementing Start Date
2,083.0		P&A PLUG #4A (114 sx, 1.37 yield, 14.6 ppg)	7/27/2021
2,146.0	Casing Joints; 7; 9.0; 4,271.00	Top Depth (ftKB)	Cementing End Date
2,148.0		1,568.0	7/27/2021
2,193.9	Perf; 2,194.0; 2,195.0; 7/26/2021	Bottom Depth (ftKB)	
2,194.9	Intermediate; 173.0-4,280.0	1,905.0	
2,700.1		P&A PLUG #5, Casing - Remedial, 7/28/2021 10:15	
2,823.2		Comment	Cementing Start Date
2,995.1		P&A PLUG #5 (122 sx, 1.37 yield, 14.6 ppg)	7/28/2021
3,562.0		Top Depth (ftKB)	Cementing End Date
3,761.2		1,002.0	7/28/2021
4,049.9		Bottom Depth (ftKB)	
4,223.1		1,272.0	
4,279.9		P&A PLUG #5, Plug, 7/28/2021 10:15	
4,291.0		Comment	Cementing Start Date
4,293.0		P&A PLUG #5 (122 sx, 1.37 yield, 14.6 ppg)	7/28/2021
4,332.0	Perf; 4,332.0; 4,354.0; 10/17/1960	Top Depth (ftKB)	Cementing End Date
4,354.0		1,002.0	7/28/2021
4,372.0	Perf; 4,372.0; 4,380.0; 10/17/1960	Bottom Depth (ftKB)	
4,379.9	Casing Joints; 5 1/2; 4,223.0; 329.00	1,272.0	
4,388.1	Perf; 4,388.0; 4,396.0; 10/17/1960	P&A PLUG #6, Casing - Remedial, 7/28/2021 16:45	
4,396.0		Comment	Cementing Start Date
4,405.8		P&A PLUG #6 (70 sx, 1.37 yield, 14.6 ppg)	7/28/2021
4,416.0	Perf; 4,406.0; 4,416.0; 10/17/1960	Top Depth (ftKB)	Cementing End Date
4,441.9	Production; 4,280.0-4,552.0	9.0	7/28/2021
4,452.1	Perf; 4,442.0; 4,452.0; 10/17/1960	Bottom Depth (ftKB)	
4,498.0		223.0	
4,551.8	TD - Original Hole; 4,552.0	P&A PLUG #6, Plug, 7/28/2021 16:45	
		Comment	Cementing Start Date
		P&A PLUG #6 (70 sx, 1.37 yield, 14.6 ppg)	7/28/2021
		Top Depth (ftKB)	Cementing End Date
		9.0	7/28/2021
		Bottom Depth (ftKB)	
		223.0	

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 41790

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 41790
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	9/2/2021