

Well Name: JICARILLA	Well Location: T22N / R5W / SEC 8 / NWNW /	County or Parish/State: SANDOVAL / NM
Well Number: 103H	Type of Well: OIL WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC424	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004321202	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2634742

Type of Submission: Subsequent Report

Date Sundry Submitted: 09/17/2021

Date Operation Actually Began: 08/13/2021

Type of Action: Workover Operations

Time Sundry Submitted: 07:34

Actual Procedure: Enduring Resources recently completed a workover on the JICARILLA 103H to repair the rod pump completion. An updated schematic is attached Job Start: 08/13/2021 Job End: 08/14/2021 EOT: 5,592' MD SN: 5,450' MD TAC: 4,796' MD

SR Attachments

Actual Procedure

JICARILLA_103H_WBD_08152021_20210917073431.pdf

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Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HEATHER HUNTINGTON	Signed on: SEP 17, 2021 07:34 AM
Name: ENDURING RESOURCES LLC	
Title: Permitting Technician	
Street Address: 200 Energy Court	
City: Farmington	State: NM
Phone: (505) 636-9751	
Email address: HHUNTINGTON@ENDURINGRESOURCES.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 09/21/2021
Signature: Kenneth Rennick	



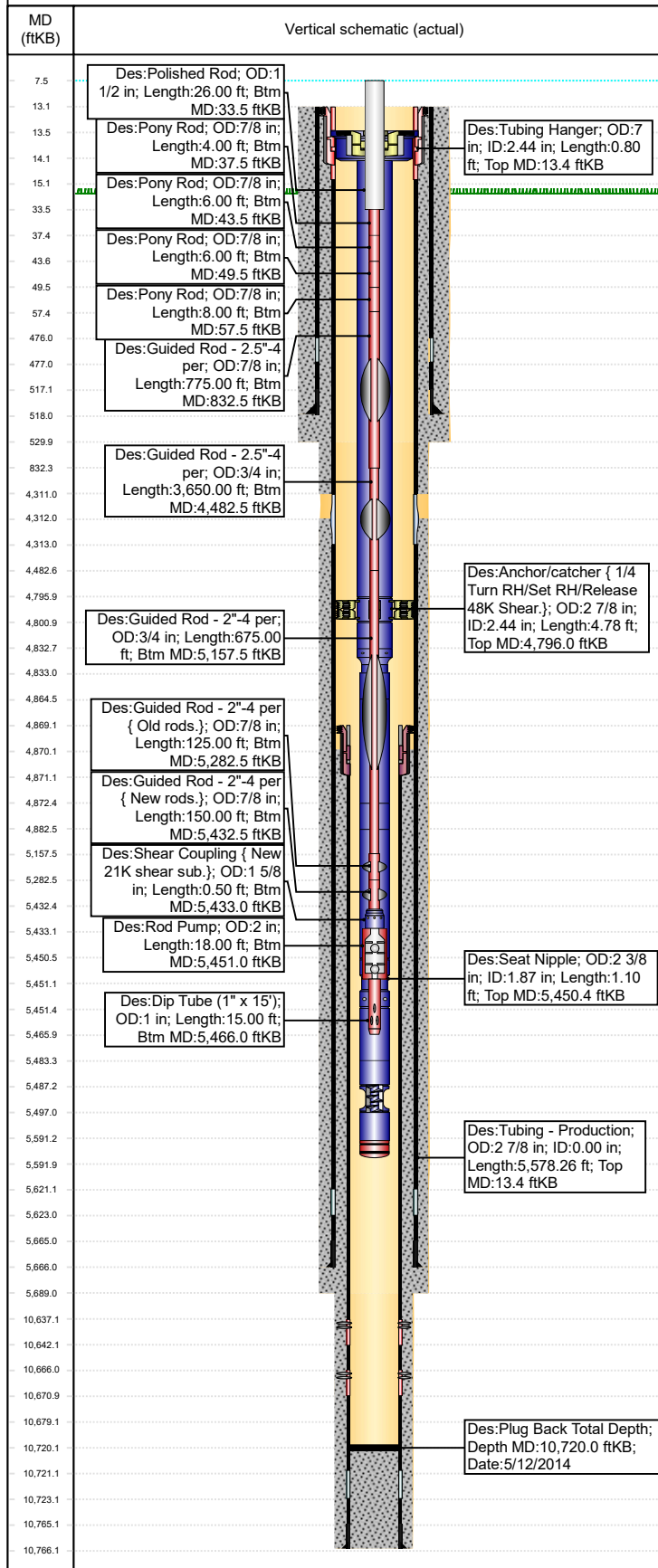
Enduring Resources IV - Production WBD

Well Name: JICARILLA 103H

NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-043-21202	Surface Legal Location Section 08, Twp 22N, Rng 05W, 23rd PM	Field Name	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,974.00	KB-Tubing Head Distance (ft)	Spud Date 4/26/2014 00:00	Rig Release Date 5/14/2014 06:00	PBTD (All) (ftKB) Original Hole - 10,720.0	Total Depth All (TVD) (ftKB) Original Hole - 5,180.4

Horizontal, Original Hole, 9/7/2021 10:09:12 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface Hole	12 1/4	13.0	13.0	530.0	353.7
Intermediate Hole	8 3/4	530.0	353.7	5,689.0	581.7
Production Hole	6 1/8	5,689.0	581.7	10,766.0	5,180.4

Rod Strings

Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
Rod String	8/15/2021	5,458.50		5,466.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod		1 1/2	26.00	7.5	33.5
Pony Rod	2	7/8	4.00	33.5	37.5
Pony Rod	1	7/8	6.00	37.5	43.5
Pony Rod	1	7/8	6.00	43.5	49.5
Pony Rod	1	7/8	8.00	49.5	57.5
Guided Rod - 2.5"-4 per	31	7/8	775.00	57.5	832.5
Guided Rod - 2.5"-4 per	146	3/4	3,650.00	832.5	4,482.5
Guided Rod - 2"-4 per	27	3/4	675.00	4,482.5	5,157.5
Guided Rod - 2"-4 per { Old rods.}	5	7/8	125.00	5,157.5	5,282.5
Guided Rod - 2"-4 per { New rods.}	6	7/8	150.00	5,282.5	5,432.5
Shear Coupling { New 21K shear sub.}	1	1 5/8	0.50	5,432.5	5,433.0
Rod Pump	1	2	18.00	5,433.0	5,451.0
Dip Tube (1" x 15')	1	1	15.00	5,451.0	5,466.0

Tubing - Production set at 5,591.7ftKB on 8/15/2021 07:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		8/15/2021		5,578.26			5,591.7	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger		J-55		7	2.44	0.80	13.4	14.2
Tubing { Scanned yellow }	147	J-55	6.40	2 7/8	2.44	4,781.76	14.2	4,796.0
Anchor/catcher { 1/4 Turn RH/Set RH/Release 48K Shear.}		J-55		2 7/8	2.44	4.78	4,796.0	4,800.8
Tubing { Scanned yellow }	1	J-55	6.40	2 7/8	2.44	31.77	4,800.8	4,832.6
Cross Over		J-55		2 7/8	2.00	0.50	4,832.6	4,833.1
Tubing { Scanned yellow }	1	J-55	4.70	2 3/8	2.00	31.53	4,833.1	4,864.6
Tubing-Pup Jnt { Scanned yellow }	1	J-55	4.70	2 3/8	2.00	7.90	4,864.6	4,872.5
Tubing-Pup Jnt { Scanned yewllo }	1	J-55	4.70	2 3/8	2.00	10.05	4,872.5	4,882.5
Tubing { Scanned/yellow band }	18	J-55	4.70	2 3/8	2.00	567.90	4,882.5	5,450.4
Seat Nipple		J-55		2 3/8	1.87	1.10	5,450.4	5,451.5
Tubing { Scanned blue. }	1	J-55	4.70	2 3/8	2.00	31.62	5,451.5	5,483.2
Tubing-Pup Jnt	1	J-55	4.70	2 3/8	2.00	3.95	5,483.2	5,487.1
Desander - Cavins		J-55		2 3/8	2.00	10.10	5,487.1	5,497.2



Enduring Resources IV - Production WBD

Well Name: JICARILLA 103H

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Original KB Elevation (ft) 6,974.00	KB-Tubing Head Distance (ft)	Spud Date 4/26/2014 00:00	Rig Release Date 5/14/2014 06:00	PBTD (All) (ftKB) Original Hole - 10,720.0	Total Depth All (TVD) (ftKB) Original Hole - 5,180.4

Horizontal, Original Hole, 9/7/2021 10:09:13 AM														
MD (ftKB)	Vertical schematic (actual)													
7.5	Des:Polished Rod; OD:1 1/2 in; Length:26.00 ft; Btm MD:33.5 ftKB													
13.1	Des:Pony Rod; OD:7/8 in; Length:4.00 ft; Btm MD:37.5 ftKB													
13.5	Des:Tubing Hanger; OD:7 in; ID:2.44 in; Length:0.80 ft; Top MD:13.4 ftKB													
14.1	Des:Pony Rod; OD:7/8 in; Length:6.00 ft; Btm MD:43.5 ftKB													
15.1	Des:Pony Rod; OD:7/8 in; Length:6.00 ft; Btm MD:49.5 ftKB													
33.5	Des:Pony Rod; OD:7/8 in; Length:8.00 ft; Btm MD:57.5 ftKB													
37.4	Des:Guided Rod - 2.5"-4 per; OD:7/8 in; Length:775.00 ft; Btm MD:832.5 ftKB													
43.6	Des:Guided Rod - 2.5"-4 per; OD:3/4 in; Length:3,650.00 ft; Btm MD:4,482.5 ftKB													
49.5	Des:Anchor/catcher { 1/4 Turn RH/Set RH/Release 48K Shear.; OD:2 7/8 in; ID:2.44 in; Length:4.78 ft; Top MD:4,796.0 ftKB													
57.4	Des:Guided Rod - 2"-4 per { Old rods.; OD:7/8 in; Length:125.00 ft; Btm MD:5,282.5 ftKB													
476.0	Des:Guided Rod - 2"-4 per { New rods.; OD:7/8 in; Length:150.00 ft; Btm MD:5,432.5 ftKB													
477.0	Des:Shear Coupling { New 21K shear sub.; OD:1 5/8 in; Length:0.50 ft; Btm MD:5,433.0 ftKB													
517.1	Des:Rod Pump; OD:2 in; Length:18.00 ft; Btm MD:5,451.0 ftKB													
518.0	Des:Seat Nipple; OD:2 3/8 in; ID:1.87 in; Length:1.10 ft; Top MD:5,450.4 ftKB													
529.9	Des:Dip Tube (1" x 15'); OD:1 in; Length:15.00 ft; Btm MD:5,466.0 ftKB													
832.3	Des:Tubing - Production; OD:2 7/8 in; ID:0.00 in; Length:5,578.26 ft; Top MD:13.4 ftKB													
4,311.0	Des:Plug Back Total Depth; Depth MD:10,720.0 ftKB; Date:5/12/2014													
4,312.0														
4,313.0														
4,482.6														
4,795.9														
4,800.9														
4,832.7														
4,833.0														
4,864.5														
4,869.1														
4,870.1														
4,871.1														
4,872.4														
4,882.5														
5,157.5														
5,282.5														
5,432.4														
5,433.1														
5,450.5														
5,451.1														
5,451.4														
5,465.9														
5,483.3														
5,487.2														
5,497.0														
5,591.2														
5,591.9														
5,621.1														
5,623.0														
5,665.0														
5,666.0														
5,689.0														
10,637.1														
10,642.1														
10,666.0														
10,670.9														
10,679.1														
10,720.1														
10,721.1														
10,723.1														
10,765.1														
10,766.1														

Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing { Scanned blue. }	3	J-55	4.70	2 3/8	2.00	94.05	5,497.2	5,591.3
Bull Plug		J-55		2 3/8	0.00	0.45	5,591.3	5,591.7
Surface Casing, 518.0ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)			
9 5/8	36.00	K-55		13.0	518.0			
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)			
Casing Joints		11	463.00	13.0	476.0			
Float Collar			1.00	476.0	477.0			
Casing Joints		1	40.00	477.0	517.0			
Float Shoe			1.00	517.0	518.0			
Tieback Liner, 4,869.0ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)			
4 1/2	11.60	P-110		13.0	4,869.0			
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)			
Liner Hanger			1.00	13.0	14.0			
Liner Pup Joint			5.70	14.0	19.7			
Casing Joints		115	4,847.30	19.7	4,867.0			
PBR Seal Assembly			2.00	4,867.0	4,869.0			
Intermediate Casing, 5,666.0ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)			
7	23.00	K-55		13.0	5,666.0			
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)			
Casing Hanger			2.00	13.0	15.0			
Casing Joints		102	4,296.00	15.0	4,311.0			
DV StageTool			2.00	4,311.0	4,313.0			
Casing Joints		31	1,308.00	4,313.0	5,621.0			
Float Collar			2.00	5,621.0	5,623.0			
Casing Joints		1	42.00	5,623.0	5,665.0			
Float Shoe			1.00	5,665.0	5,666.0			
Production Liner, 10,766.0ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)			
4 1/2	11.60	P-110		4,869.0	10,766.0			
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)			
Liner Hanger			2.00	4,869.0	4,871.0			
Casing Joints		135	5,766.00	4,871.0	10,637.0			
Toe Sleeve #2			5.00	10,637.0	10,642.0			
Casing Joints			24.00	10,642.0	10,666.0			
Toe Sleeve #1			5.00	10,666.0	10,671.0			
Casing Pup Jt		1	8.00	10,671.0	10,679.0			
Casing Joints		1	42.00	10,679.0	10,721.0			
Float Collar			2.00	10,721.0	10,723.0			
Casing Joints		1	42.00	10,723.0	10,765.0			
Float Shoe			1.00	10,765.0	10,766.0			
Cement								
Description		Cementing Start Date			Cementing End Date			
Surface Cement		4/27/2014			4/27/2014			
Comment								
Cemented w/ 320 sx Class G Cmt. Circulated 35 bbl to surface.								
Description		Cementing Start Date			Cementing End Date			
Intermediate Cement		5/5/2014			5/5/2014			
Comment								
Stage 1: Lead: 110 sx Halcem								
Tail: 100 sx Halcem								
Stage 2: Lead: 490 sx Halcem								
Tail: 50 sx Halcem								
Description		Cementing Start Date			Cementing End Date			
Prod Liner Cement		5/12/2014			5/12/2014			
Comment								
Lead: 40 sx Elastiseal, 290 sx Foamed Elastiseal.								
Tail: 100 sx Elastiseal								

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

COMMENTS

Action 53663

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53663
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	11/7/2022

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

CONDITIONS

Action 53663

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Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53663
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/7/2022