

**Wellbore Schematic** 

7002 '

7027

5550

11570

11532

5550

5068

Date Prepared: 5/31/2019 Last Updated: 8/26/2019 RS

Spud Date: 5/13/2019

Completion Date: 7/15/2019

Last Workover Date: 8/3/2019

NMOCD
SEP 25 2019
DISTRICT III

All de	epths KB	Hole Size										
Surface Casing	1 1	12-1/4"	Surface Casing/Cement: (5/13/19)									
9-5/8", 36# J-55		0'-339'	Drilled a 12-1/4" surface hole to 339'. Ra	an 14	its 9-5/8", 36#, J-55 casi	ng at 333.8	9' GL. Cemen	ted with 101 sad	cks Ceme	ent: circulate	ed 10 bbl	s of cement
Set at 333.89' GL		0.000	to surface.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					,		
101 sacks cement			Intermediate Casing/Cement: (6/6/19)	)								
		1	Drilled a 8-3/4" intermediate hole to 6,16	0' TN	1D. Ran 145 its. of 7" 23#	P110 & set	@ 6,147' TME	D. DV tool @ 2,	008.04'.			
			10bbls WT, 30bbls of Spacer @ 11.5, 25	57 bb	ls (730 sacks) of Lead Ce	ement @ 12	.3ppg, 43 bbls	(185 sacks) of	Tail Cem	ent @ 13.5	ppg, Disp	placed cement
4			109 bbls good cement to surface. Note:	Initia	al casing test did not ho	ld. Perform	ned squeeze v	v/55 sacks on 6	7/19, tes	sted good	on 6/11/	19.
333.89'		TOC at Surface										
			Production Liner: (6/15/19)									
			Drilled a 6-1/8" production liner hole to 1	1,570	). Set 132 jts of 4.5" P-11	0 11.60# ca	asing @ 11,550	o'. TOL @ 5,995	.59'. Sta	ge 1 cemer	nted:	
Intermediate Casing	GLV 8 @ 1443.23	DV tool @ 2,008.04' (drilled out)	Tuned Spacer @ 11.5# 40 BBLS , Lead	Cem	ent @ 13.3# 73 Bbls/507	sacks Exte	ndaCem, Displ	acemed cemen	t & circula	ated 30 bbls	s cement	to surface.
7" 23# J-55	GLV 7 @ 2437.68	8-3/4"										
Set at 6,147' KB	GLV 6 @ 3,034.4	339'-6160'	Tie Back Liner: (6/19/19 - 6/24/19)									
DV tool @ 2,008.04'	GLV 5 @ 3,567.12	TD TMD	4 1/2" 11.6# P110 BTC w/marker jt A @							sg and pres	ssure leal	ked off immed
Lead: 730 sacks	GLV 4 @ 4,129.9		Wireline & set plug @ 11,466'. Pressure	up 4	1/2" casing to 1500# and	chart, held	OK. POOH &	LD tieback on 8	/3/2019			
Tail: 185 sacks	GLV 3 @ 4,663.2		Completion:									
Squeeze: 55 sacks	GLV 2 @ 5,262.43		*See Completions tab.									
TOC at surface	GLV 1 @ 5920.70											
XIXIX	XXX	7" Packer @ 5,960.5'	Tubing: 2-3/8" HALF MULE									
		TOI @ 5005 501 @ 77 50			2-7/8" F Nipple		GLV #4 2-7/8" 6.5# J55			1 2-7/8" 6.5#		
H H		TOL @ 5995.59' @ ~ 77.5°	1.875" XN-NIPPLE		16/64" Screened Orrifice 2-7/8" 6.5# J55		2-7/8" 6.5# J55 GLV #5			2 Tubing Han	iger	
		6-1/8"			X Nipple		2-7/8" 6.5# J55		529.22			
		6,160'-11,570'	2-3/8" x 2-7/8" X-OVER		2-7/8" 6.5# J55		GLV #6			1 EOT		
		0,100 11,010	7.0" AS1-X CARBIDE PKR		GLV #2		2-7/8" 6.5# J55		592.64			
411			2.25 F Stinger	0.2	2-7/8" 6.5# J55		GLV #7		4.1	1		
Production Liner 6147'	7	TOC at Surface	ON/OFF TOOL W/2.25" F	1.65	GLV #3	4.1	2-7/8" 6.5# J55		990.33	3		
4-1/2", 11.6#, P-110	<b>f</b>		2-7/8" 6.5# J55	33.05	2-7/8" 6.5# J55	529.17	GLV #8		4.1	1		
Liner top at 5,995.59' KB	\:::	··.										
Set at 11,550' MD	/:	EOT @ 6,199.41'										
Stage 1: 507 sacks	\											
TOC at TOL		Villian Land of the St										
		Last perf @ 6,421.3'					a a a					
1				<u> </u>			9 6 6		U		<u>o</u> <u>o</u>	
Marker Joints												
Liner Top - 5,995.59'												
B - 6,033.08' (5.05')												

0

Ground Elevation:

Target Zone TVD:

Length of Lateral:

KB Elevation:

Average TVD:

MD:

PBTD:

KTB 2408 32A Com #1H

36.274847 N, 107.697370 W- NAD83

Sec 32, T24N, R8W

Logos Operating, LLC

San Juan

30-045-35911

Well Name:

Co-ordinates:

C - 6,038.13' (20.28')

D - 7,524.89' (10.09')

Location: County:

Operator:

API#:

Drilled a 8-3/4" intermediate ho	le to 6,160' TM	ID. Ran 145 jts. of 7" 23# P110 & set	@ 6,147' TMD. DV too	0 @ 2,008.04'.		
10bbls WT, 30bbls of Spacer @	11.5, 257 bb	ls (730 sacks) of Lead Cement @ 12	.3ppg, 43 bbls (185 sac	ks) of Tail Ceme	ent @ 13.5ppg, Displaced co	ement and circulated
109 bbls good cement to surface	ce. Note: Initia	al casing test did not hold. Perform	ned squeeze w/55 sack	s on 6/7/19, tes	ted good on 6/11/19.	
Production Liner: (6/15/19)						
		". Set 132 jts of 4.5" P-110 11.60# ca				
Tuned Spacer @ 11.5# 40 BBL	S, Lead Cem	ent @ 13.3# 73 Bbls/507 sacks Exter	ndaCem, Displacemed of	cement & circulat	ted 30 bbls cement to surfa	ce.
Tie Back Liner: (6/19/19 - 6/2	4/19)					
		6.68' ~ 48°. Tested backside to 1500	nsi held OK Attempted	to test 4 1/2" cs	and pressure leaked off in	mmediately RIH w/
	101 111 00 0,00	0.00 TO TOOLGA BUOKSING TO TOO	poi, neid Oit. Attempted		g and probbare loaked on i	minodiatory. Title 140
Miralina & sat plug @ 11 466	Droccure up 4	1/2" casing to 1500# and short, hold	OK BOOH & LD tiphan	k on 9/2/2010		
	Pressure up 4	1/2" casing to 1500# and chart, held	OK. POOH & LD tiebac	k on 8/3/2019		
Completion:	Pressure up 4	1/2" casing to 1500# and chart, held	OK. POOH & LD tiebac	k on 8/3/2019		
	Pressure up 4	1/2" casing to 1500# and chart, held	OK. POOH & LD tiebac	k on 8/3/2019		
Completion: *See Completions tab.	Pressure up 4	1/2" casing to 1500# and chart, held	OK. POOH & LD tiebac	k on 8/3/2019		
Completion: *See Completions tab. Tubing:						
Completion: *See Completions tab.			OK. POOH & LD tiebac		2-7/8" 6.5# J55	1417
Completion: *See Completions tab. Tubing:	0.45	2-7/8" F Nipple 0.8		4.1	2-7/8" 6.5# J55 Tubing Hanger	1417
Completion: *See Completions tab.  Tubing: 2-3/8" HALF MULE	0.45 32.85	2-7/8" F Nipple 0.8 16/64" Screened Ornfice 4.1	GLV #4	4.1 558.12		
Completion: "See Completions tab.  Tubing: 2-3/8" HALF MULE 2-3/8"-4.7#-J55 TAILPIPE	0.45 32.85 1.1	2-7/8" F Nipple 0.8 16/64" Screened Omfice 4.1 2-7/8" 6.5# J55 33.06	GLV #4 2-7/8" 6.5# J55	4.1 558.12	Tubing Hanger Total	
Completion: "See Completions tab.  Tubing: 2-3/8" HALF MULE 2-3/8"-4.7#-J55 TAILPIPE 1.875" XN-NIPPLE	0.45 32.85 1.1 197.21	2-7/8" F Nipple 0.8 16/64" Screened Orrifice 4.1 2-7/8" 6.5# J55 33.06 X Nipple 0.9	GLV #4 2-7/8" 6.5# J55 GLV #5	4.1 558.12 4.1 529.22	Tubing Hanger Total	
Completion: "See Completions tab.  Tubing: 2-3/8" HALF MULE 2-3/8"-4.7#-J55 TAILPIPE 1.875" XN-NIPPLE 2-3/8"-4.7#-J55 TAILPIPE	0.45 32.85 1.1 197.21	2-7/8" F Nipple 0.8 16/64" Screened Orrifice 4.1 2-7/8" 6.5# J55 33.06 X Nipple 0.9 2-7/8" 6.5# J55 620.22	GLV #4 2-7/8" 6.5# J55 GLV #5 2-7/8" 6.5# J55	4.1 558.12 4.1 529.22	Tubing Hanger Total KB EOT	6174
Completion: *See Completions tab.  Tubing: 2-3/8" HALF MULE 2-3/8"-4.7#-J55 TAILPIPE 1875" XN-NIPPLE 2-3/8"-4.7#-J55 TAILPIPE 2-3/8"-4.7#-J55 TAILPIPE 2-3/8" x 2-7/8" X-OVER	0.45 32.85 1.1 197.21 0.9 6.4	2-7/8" F Nipple 0.8 16/64" Screened Ornfice 4.1 2-7/8" 6.5# J55 33.06 X Nipple 0.9 2-7/8" 6.5# J55 620.22 GLV #2 4.1	GLV #4 2-7/8" 6.5# J55 GLV #5 2-7/8" 6.5# J55 GLV #6	4.1 558.12 4.1 529.22 4.1	Tubing Hanger Total KB EOT	6174
Completion: "See Completions tab.  Tubing: 2-3/8" HALF MULE 2-3/8"-4.7#-J55 TAILPIPE 1.875" XN-NIPPLE 2-3/8"-4.7#-J55 TAILPIPE 2-3/8" x 2-7/8" X-OVER 7.0" AS1-X CARBIDE PKR	0.45 32.85 1.1 197.21 0.9 6.4	2-7/8" F Nipple 0.8 16/64" Screened Omfice 4.1 2-7/8" 6.5# J55 33.06 X Nipple 0.9 2-7/8" 6.5# J55 620.22 GLV #2 4.1 2-7/8" 6.5# J55 595.11	GLV #4 2.7/8" 6.5# J55 GLV #5 2.7/8" 6.5# J55 GLV #6 2.7/8" 6.5# J55	4.1 558.12 4.1 529.22 4.1 592.64	Tubing Hanger Total KB EOT	6174

Lewis-	2028'	Gallup-	5790'
Cliffhouse-	3439'		
Menefee-	3506'		
Point Lookout-	4479'		
Mancos-	4716'		

0 0 0

27 26 25

0 0

24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7

\*Alpha Sleeve #1 4-1/2" casing @ 11,486.03' - 11,489.78'

0 0

0

0

0 0 0 0

6 5 4 3 2 1