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Current Schematic

Well Name: ZELLA CALLOWAY #1

PI / UWI 004509977 ound Elevation (ft) 758.00		Surface Legal Location Field Name 003-030N-011W-A BASIN DAKOTA (PRORATED GAS)		Route 0304	State/Provin NEW ME		Well Configuration Type	
		Original KB/RT Elevation (ft) 5,771.00	KB-Grou	KB-Ground Distance (ft) 13.00		e Distance (ft)	KB-Tubing Hanger Distance (ft)	
00.00		0,77,1100	10.00					
			Original Hole,	11/12/2018 1	0:01:26 AM			
ID (ftKB)	TVD			Vartical ach	motio (astual)			
	(ftKB)			ventical sche	matic (actual)			
13.1 -		Tubing Hanger; 7 in;	13.0 ftKB; 13.7 ftKB					
13.8	-	Tubing; 2 3/8 in; 4.70						
45.3	-	Tubing Pup Joint; 2 3	45.3 ftKB					
63.6	-		45.3 ftKB; 63.8 ftKB			Surface Casi	ng Cement; 13.0-305	.0; 7/8/1962; Cmt'd with 165 sx
304.1		1; Surface; 9 5/8 in; 9.00				Cement Sque	a CI.Cmt circ. to surf. eeze; 13.0-1,000.0; 1	22/1975; Hole in the casing @
305.1			ftKB			cmt to surfac	e, press test failed, ta	nped 350 sx 2% cal. cl. cmt. No g cmt at 590', pumped 50 SX
307.1						down csg, dri OK.	lled out and pressure	test casing at 1012' to 1200 psi
1,000.0			; 1,000.0; 1/22/1975	1000000	STREET.	Production C stage w/ 150	asing Cement; 1,000 sx 50/50 pozmix. TO	0-2,445.0; 7/24/1962; Cmt'd thir C @ surface based on CBL
2,245.1		- Pictured Cliffs (final) -				8/21/09.		
2,432.1 2,435.0			DV tool @ 2,435'					
2,443.9			L V 1001 (2,400					
3,038.1			al)			-SQUEEZE W	ITH 36 BBLS CMNT	.0-3,883.0; 1/7/2010; PUMPED LAST 8 BBLS ADDED CACL;
3,080.1		Tubing; 2 3/8 in; 4.70		adapte dant	testastasta	Production C	asing Cement; 3,080.	E III CEMENT 14.5#, 1.39 yield 0-4,861.0; 7/24/1962; Cmt'd
3,416.0			6,740.2 ftKB		VALUE	09/27/2018.	-	mix. TOC @ 3080' based on CB
3,460.0		Holes in the casing fro				20SX (4 bbls	of Class G cmt at 1.	.0-4,133.0; 10/5/2018; Pumped 15 yield 15.8 PPG at 600 psi in
3,882.9			8/6/09		FORMOS	Hydraulic Fra	at casing holes foun c; 10/25/2018; BROK	d at 4100'-4133'. E DOWN WELL WITH WATER
4,095.1		Menefee (final)				AND 1000 G/	AL 15% HCL. FOAM	FRAC'D MESAVERDE WITH AL SLICKWATER AND 2.20
4,100.1		Holes in csg found	4100'-4133' 10/4/18			MILLION SCI	N2. 70 QUALITY. AV	/G RATE = 61 BPM, AVG PSI = FLUSH). DROPPED 20 BIO-
4,132.9						BALLS WITH	1/2 OF SAND PUMP	
4,304.1		PERF - MESAVERI	DE; 4,304.0-4,824.0;	1000000		CEMENT SQ	UEEZE OPERATION	S:SQUEEZE HOLES AT 4,910' 948'.10 BBLS WATER AHEAD.
4,625.0		Poi	10/9/2018	Manager -	TATISTIC .	120 SACKS (25 BBLS) OF CLASS	G CEMENT AT 15.8 PPG, MENT: 18.6 BBLS WATER.
4,680.1				A MANAGAN	TREESE.	REVERSED	OUT: 40 BBLS WATE	R. REVERSED OUT: 4 BBLS X RATE: 2.0 BPM.MIN PSI: 100
4,819.9				M MARKAN	TRANSPORT	PSI.MAX PSI CASING AT 4	: 460 PSI.ESTIMATE	D CEMENT TOP IN 4 1/2"
4,824.1 4,825.1		— Mancos (final) ———		WAXANA	CARDON A	Remedial Ce	ment Squeeze; 4,865	.0-4,910.0; 9/28/2018; CEMENT 5 BBLS OF WATER TO BREA
4,857.9						CIRCULATIO	N. 22 SACKS (5 BBL	S) OF CLASS G CEMENT AT DISPLACED 16.3 BBLS WATER
4,860.9			DV tool @ 4,861'			PULL TUBIN	G TO 4,758'. REVER	SED OUT 25 BBLS WATER. MENT. SQUEEZED 1.5 BBLS
4,865.2						INTO LEAK.S	HUT IN WELL WITH	300 PSI. MIN RATE: 0.5 SI: 120 PSI.MAX PSI: 500 SI.
4,879.9		SQUEEZE PERFS	; 4,880.0; 9/26/2018			ESTIMATED	CEMENT TOP IN 4 1	/2" CASING AT 4,850'.
4,909.1		L				SQUEEZE O	PERATIONS:SQUEE	5.0-5,112.0; 9/27/2018; CEMEN ZE HOLES AT 4,910' & 5,100'
4,910.1		SQUEEZE PERFS	; 4,910.0; 9/27/2018			SACKS (25 B	BLS) OF CLASS G	BLS WATER AHEAD. 120 CEMENT AT 15.8 PPG, WITH
5,100.1		SQUEEZE PERFS	; 5,100.0; 9/26/2018			REVERSED		18.6 BBLS WATER. R. REVERSED OUT: 4 BBLS X RATE: 2.0 BPM.MIN PSI: 100
5,111.9				81	12		460 PSI.ESTIMATE	D CEMENT TOP IN 4 1/2"
5,132.9								0-6,984.0; 7/24/1962; Cmt'd first
5,149.9			.0-6,729.0; 8/5/1962	~~~		stage w/ 225	sx 50/50 pozmix follo on CBL 09/27/2018.	wed w/ 100 sx reg. cmt. TOC @
6,714.9		Tubing Pup Joint; 2 3	'8 in; 4.70 lb/ft; J-55; 1 ftKB; 6,742.3 ftKB			Hydraulic Fra	cture; 8/5/1962; Frac'	d Upper Dakota w/ 10,000# d w/ 48,500 gal. water.
6,729.0			0 lb/ft; J-55; 6,742.3	NO. STATE	120200	lorge saine di		rejece gui, maidi,
6,740.2 6,742.1		0,	ftKB; 6,774.0 ftKB					
6,773.9		Seating Nipple; 2	3/8 in; 6,774.0 ftKB;					
6,774.9		Mule Shoe; 2 3/8 in; 6	6,775.1 ftKB					
6,775.9			ftKB	-				
6,803.1		— Dakota (final) —						
6,807.1	-	Deleter 0.007	0 6 005 0 0/4/4000		990900000	Hydraulic Fra	cture: 8/4/1962: Frac'	d Lower Dakota w/ 10,000#
6,825.1	-		.0-6,825.0; 8/4/1962					w/ 22,800 gal. water.
6,830.1		Rathole: 107' of rathole						
6,932.1	-	PBTD; 6,932.0; COULD	NOT CLEAN PAST 6932'					
6,957.0	-		0932			Cement; 6,95	7.0-6.984.0; 7/24/196	2
6,982.9	-	0. D	4 0E in: 40 0 fil/D					
6,983.9		2; Production; 4 1/2 in	1; 4.05 in; 13.0 ftKB; 6,984.0 ftKB			Cement Plug;	6,984.0-6,986.0; 7/24	4/1962; PBTD
6,985.9			0,004.0 1110	2000000				