

FIELD :	Masters Creek	Field Code: 6565
SERIAL NO.:	251809	RECEIVED
PERFORATED INTI 16,157' - 2		FEB 03 2020
RESERVOIR:	Austin Ch	OFFICE OF CONSERVATION Balk WELL FILES SECTION

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		Mala				.157' - 22,3	72'			OECIC		SERVATIO	N.
w		OF CONSERVATION AND WORK RESUMI			RESERVO	DIR:			Austin C	\A/E	LL FILES	SECTION	/ 1 V
		nust be filed with the eted and signed, thi			ce of Conservatio	n in which the w	ell is loca	ted within	twenty (20) days of	the date of com	pletion.		
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снос		ATE CATEGORY:		PRODUCT	RESE	RVOIR, IF RECON	<u>1P.</u> 1	<u> </u>	01/21/2020		STA	TUS CHANGE ON	<u> </u>
ENTER WELI	NEW W		10	PRODUC	ING			<u> </u>		W CODE:	<u></u>		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			<i>J</i>		OPF	RATOR	CODE ·	ADDRESS :		<b></b>		
ERATOR NA		Southwind	l Oil & (	Gas		Or E	\$568			5555 San Fe Houston, Te		3556	
ELL NAME :	AUS	C RA SU;8	0 Crow	ell LM 3	0 H					W	/ELL NO :	2	
DRLG. PERN	AIT DATE: [	6/27/2019	SEC:	30	TWP:	015 R	GE:	01W	PARISH :	Rapide	s	Psh. Code:	40
-	UD DATE	/	MEASU	RED DEPTH	TF	RUE VERTICAL	DEPTH	PI	UG BACK DEPTH			WELL TURNEL TO TANKS	D
	1/D/Y /3/2019 ✔	<u></u>	2	2,500		15,383	1		22,386	ſ		01/21/19	]
								AD 21 4			DISTAN	ICE FROM	
·	DY TO PROD	UCE*		GROUN	D ELEVATION	CA	SING HEA		E ELEVATION			TO CHF	, , , , , , , , , , , , , , , , , , ,
0:	1/21/20		FEET:		118			148		<u>     L                               </u>		30	
		LE COMPLETIO	N? (S,D,T)	~ "	S	<b>-</b>	NO	OTE: IF THIS	S IS A MULTIPLE CON	APLETION, FURN	IISH A SEPARAT	E REPORT FOR E	ACH
WAS DIREC	TIONAL SUI	ALLY DRILLED? RVEY MADE? WITH THE OFFI	CE OF CON	ISERVATION	YES YES 1?	YES NEAR PAGE 3	 D#	ATE FILED	):	10/17/19			
		CALLY FRACTUR		, INCLUDE W	n-1 SUPPLEME	IVIAL PAGE 3.			1	D	ATE FILED :		**************************************
5" GR				DATE	FILED :	11/4/1	9			***********	ATE FILED :		
1" GR					FILED :	11/4/1				D	ATE FILED :		
HOLE SIZE	CASING SIZE	CASING WEIGHT (one line per weight depth)		EPTH SET TO	SACKS CEME	NT TEST PRESSUF	RE U	OURS INDER ESSURE	DATE TESTED (MM DD YY)			STATE IF CON SET OPERATO	
Drive	20"	106.5	0	145'	NA	NA		NA	NA		N/	4	
17-1/2"	13-3/8"	68	0	4073'	3000	2,950	30	) mins	08/12/19		Robbie J. Ed	wards, CES	
12-1/4"	9-7/8"	62.8	0	14,730'	1640	6,050	30	) mins	09/03/19		Robbie J. Ed	wards, CES	
8-1/2"	5-1/2"	23	14,363	22,500'	NA	3,750		) mins	10/01/19		Robbie J. Ed	lwards, CES	
	CHECK T	HIS BOX TO IND	ICATE ADI	DITIONAL C	ASING / TUBIN	IG DATA ON	BACK OF	FORM:					
TUBING	SIZE:	5-1/2"	]	DEPTH O	F TUBING:	0' 14,07	7] 7]	DEPT	H OF PACKER	(S):	14,077 14,363		
					L COMPLET	TION OR RI				nn ^n	ICINIO ME	ruop	***************************************
INITIAL P	RODUCTI BOPG			]MCFD	<u> </u>	357 ]CF/B		OKE SIZ 18	/E ]/64"	PRODI	UCING MET Natu	IHOD Iral Flow	
FLOWING			UT-IN TU	BING		NSING ESSURE			WA	ATER PROD	UCTION	BS&W	/
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GRAVITY		Vanania.	UT-IN BH	P			CO		REPRESENTA	TIVE	DA	TE GAUGE	************
52	***************************************	60°F 1	4100 PS		PLUG AND	ARANDO	V (D 2.		1att Kintzele Γ <b>Δ</b>			1/23/20	)
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SIZE (in.)	PUL	LED	FROM	ТО	SACKS	HOW PI	LACED	PERI	FORMED	OR OFFSET OP			
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	] <u>                                    </u>			<del></del>				<u> </u>					
CERTIFICA	ATE: I, the u	indersigned, state	: That I am	employed by	7				Southwind Oil & G			and that	
I am author	ized to make	e this report, and	that this re	port was pre	pared under m	y supervision a	nd direct	ion and t	hat all facts stated	herein are tru	e, correct and	complete to t	he best
of my know	iedge.	16/11	110	1/1/1									
Sign		1000	14	$\mathbb{Z} \bigtriangleup$		Tit			atory Represenanthonoil.com			SANDAR MARKET STATE OF THE SANDAR STATE OF THE	Attorner.
	Name: Toni : No.: 713-		Fa	x No.:	3				elipe, Houston				
*Date well is	equipped to p	produce, but due to	no available	market, no pip	e line connection	, etc., the well ha	s been shi	ut-in.	RFC	FIV	ED		14 11/27 1
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Reviewed By:

JAN 30 2020 Ol 30 Honroe District Office of Conservation

## 251809 Serial Number: WORK RESUME List below all work performed under Office of Conservation Work Permits while drilling and completing well. DESCRIPTION OF WORK DATE WORK SERVICE COMPANY WORK PERFORMED Hold daily safety meeting. RU & prepare to spud. PERMIT NO Ensign Rig 777 07/22/2019-08/02/2019 MU BHA and spud well. 8/3/2019 Drill surface hole F/145'-T/4073'. Circulate hole clean, pump slug & POOH. Make notification to Robbie Edwards for intent to run and cement surface casing. MU shoe track and begin running 13-3/8 surface casing to 4073'. Circulate and preform cement job, bump plug, good returns. Got 200bbls back to surface. WOC 12 hours. Make cuts on casing. Make notification to Robbie Edwards for intent to test BOPS. NU and test BOPS 08/04/2019rams and valves 250L/10000H for 5 min each. Test Hydril 250L/3500H. 08/14/2019 Test 13-3/8" casing 2950 psi for 30 min, good test. Drill out plugs, float equipment, Performed FIT. Drilled F/4,088' - T/9,917'. Circulate LCM pill. POOH and establish circulation. Drill ahead T/11,343'. TOOH. Function test BOPS, rams and valves 250L/10000H, Test Hydril 250L/3500H. Drill F/11,343'- T/14,730. TD OFFICE OF CONSERVATION 08/15/2019intermediate 14,730'. CBU and POOH. Run 9-7/8" casing to 14,698'MD. 09/2/2019: Cement well, bump plugs. WOC. NU and test BOPS rams and valves 250L/10000H, Test Hydril 250L/3500H. Test casing to 6050, held for 30 min, test good. TIH, Drill curve @ 15,640'. 09/03/2019-09/13/2019 Make notification to Robbie Edwards for intent to test BOPS. RU and test BOPS rams and valves 250L/10000H, Test Hydril 250L/3500H. Drill curve and lateral to F/15,718' - T/22,500'. Displace drill pipe with 17.7# OBM. Stripping OOH @10,500', pump KWM. Run 5.5 liner to 22,490'MD and set 09/14/2019hanger. Test casing liner 3750' psi for 1 hour. POOH & LD Drill pipe 10/01/2019 Make notification to Robbie Edwards for intent to test BOPS. RU and test BOPS rams and valves 250L/10000H, Test Hydril 250L/3500H. Preform negative test. Lay down rest of 5-1/2' drill pipe. Run 5-1/2" tubing. RD 10/02/2019casing equipment, ND BOPs. Install tubing head. Move Rig 10/12/2019 The 5-1/2" production tubing did not include a production packer. Rather, the tubing included a Halliburton Ratch-Latch seal assembly which is latched into the top of the liner hanger (providing an anchor to the liner hanger) and with seals stung into a seal bore installed below the liner RECEIVED hanger (providing a non-moving barrier). The production annulus is isolated from the open hole by a Halliburton VersaFlex liner hanger (an expandable liner hanger which includes both elastomeric (4) and metal-to-AN 3 0 2020 metal (8) seals), along with two swell packers installed in the $9-7/8^{\prime\prime}$ x 5-1/2" liner annulus. A third swell packer is installed in the open hole across 30 Monroe District Office the Brownstone formation (above the Austin Chalk). Conservation List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms. DEPTH **FORMATION** DEPTH **FORMATION** 5,420 Jackson 6,004 cockfield 8,073 Wilcox

12,131

13,231

15,371

15.803

Well Information Checked By:

Initials

Midway

**U** Cretaceous

**Austin Chalk** 

Austin Chalk A

Office of Conservation Use Only

## 251809 Serial Number: WORK RESUME List below all work performed under Office of Conservation Work Permits while drilling and completing well DESCRIPTION OF WORK DATE WORK SERVICE COMPANY WORK Cleanout out wellbore with coiled tubing, conduct casing tests, perforate PERFORMED PERMIT NO. toe of well (22,371' - 22,372'), and conduct DFIT 10/16/2019-STEP, PETROSTAR 10/27/2019 MIRU frac and supporting equipment. Attempted to inject into toe perforations to start frac, but encountered unexpected pressure responses between the 5-1/2" tubing and the 9-7/8" casing. Ran two leak detection logs with inconclusive results and monitoring pressures on both the 5-1/2" and 9-7/8", but were unable to clearly point to any obvious path of communication. Decision was made to bring in a workover rig and pull the tubing and run a remedial liner with a new liner top packer above 10/28/2019-Halliburton 12/04/2019 the original liner top packer (located at 14,363'). Pressure was continually monitored on location while awaiting the arrival of the workover rig. MIRU workover rig and pull 5-1/2" production tubing. Run remedial liner and new liner top packer from 14,077' - 14,363'. Install new 5-1/2''production tubing. 12/04/2019-Moncla 12/28/2019 MIRU coil tubing, cleanout wellbore prior to frac. MIRU frac and supporting equipment. Hydraulically frac 30 stages from 16,157' - 22,372'. Schlumberger, Nine 12/28/2019-MIRU coil tubing, drillout frac plugs, and clean 01/1/2020 Energy Open well for well testing. Falcon 1/21/2020 RECEIVED FEB 03 2020 OFFICE OF CONSERVATION WELL FILES SECTION RECEIVED JAN **3 0** 2020 Monroe District Office Conservation List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms. DEPTH **FORMATION** DEPTH **FORMATION** Office of Conservation Use Only

Well Information Checked By:

Initials

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		***			Conservation				
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CERTIFIC	ATE: I certify tha	t, to the best of m	y knowledge, all vol	umes, ingredients an abase, are correct to U.S., Rey	d concentration the best of my	s reported ab knowledge.	ove, incli	uded in th	2020

## **SOUTHWIND OIL & GAS LLC**

5555 San Felipe Street, Suite 3556 Houston, Texas, USA 77056

Telephone: 713.296.2417 Mobile: 832.982.4596

tekelley@marathonoil.com

January 29, 2020

Department of Natural Resources Office of Conservation 24 Accent Drive, Suite 104 Monroe, LA 71202

RE:

REVISED Form WH-1, Supplemental & Form COMP AUS C RA SU80; Crowell LM 30H, Well No. 002 Section 30, Township 1 South, Range 1 West Masters Creek Field (Code 6565)

Rapides Parish, Louisiana (Code 40) SN-251809

Mr. York,

Southwind Oil & Gas LLC ("Southwind") respectfully submits for your review and approval, Revised Completions Form WH-, Supplemental and Form COMP- Well Completion Report for the AUS C RA SU80; Crowell LM 30H, Well No. 002. This unit is designated as AUS C RA SU80 in the Masters Creek Field targeting the Austin Chalk Zone.

Please contact me if you have any questions or require additional information at <u>tekelley@marathonoil.com</u> or at (713) 296-2417.

Sincerely,

Toni Kelley
Sr. Regulatory Representative
Southwind Oil & Gas LLC

RECEIVED

FFB 03 2020

OFFICE OF CONSERVATION WELL FILES SECTION



JAN 3 0 2020

Monroe District Office of Conservation

	[										
ERATOR CO.	1809	WELL NAME & NO.	AUS C	C RA SU80	):Crowell	LM 30 H 2			WORK PERM NO.	19-	-142
30	uthwind C	il and Gas							OPERATOR CODE	\$50	683
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637						D PUBLIC PRIVATE					750,637
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NALL OPERATIONS gallons)			TAGES		OR CHECK	NO IF YE			are from the a	hove listed	sources and
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NALL OPERATIONS gallons)  CERTIFICATE: I these sources ar produced from d Signature: PART II WAS THE INFORMA IF YES, PROVIDE TH BASE FLUID TYPE 8.34 ppg wate	I certify that re being us domestic water that the state of the state	DRAULIC FR ED BY LAC 43:XII FOR WEB ADDRE	of my know ove listed p il not be us RACTURE x.118 REPOR	Title: STIMULAT REGISTRY. FI	or check ater used accordance purposes ION INFO	THIS BOX IF CE in operations of a with all applic without prior a  RMATION SSIBLE REGISTR  RECE FEB 0	conducted on cable laws a authorization (ATTACH CONTACT AGE	this well nd regular by the O  TINUATION F  E THE AREA X.118 OR A ONTAINS TH	Date:  PAGE(S) IF MORE:  A BELOW TO REPORTACH SERVICE CHIS INFORMATION  BASE FLU	SPACE IS NEC  NO DRT INFORMA OMPANY DO: JID VOL (gallo 648  MAX CONC ADDITIVE (*	CESSARY)  D ATION REQUIRED E CUMENTATION  Ons)  IN MAX CONC HF FLUID (
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