



OFFICE OF CONSERVATION
WELL HISTORY AND WORK RESUME REPORT

FIELD :	Masters Creek	Field Code: 6565
SERIAL NO.:	251809	RECEIVED
PERFORATED INTERVAL:	16,157' - 22,372'	FEB 03 2020
RESERVOIR:	Austin Chalk	OFFICE OF CONSERVATION WELL FILES SECTION

Three copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion.
NOTE: If not properly completed and signed, this report will be returned.

LEASE AND WELL DATA				
CHOOSE APPROPRIATE CATEGORY:	PRODUCT:	RESERVOIR, IF RECOMP.	EFFECTIVE DATE OF STATUS:	STATUS CHANGE ONLY?
NEW WELL	Oil		01/21/2020	NO
ENTER WELL STATUS CODE:	10	PRODUCING	LUW CODE:	

OPERATOR NAME:	Southwind Oil & Gas	OPERATOR CODE :	ADDRESS :
		S5683	5555 San Felipe, Suite 3556 Houston, Texas 77056

WELL NAME :	AUS C RA SU;80 Crowell LM 30 H	WELL NO : 2
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DRLG. PERMIT DATE:	6/27/2019	SEC:	30	TWP:	01S	RGE:	01W	PARISH :	Rapides	Psh. Code:	40
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SPUD DATE M / D / Y	MEASURED DEPTH	TRUE VERTICAL DEPTH	PLUG BACK DEPTH	DATE WELL TURNED INTO TANKS
8/3/2019	22,500	15,383	22,386	01/21/19

DATE READY TO PRODUCE*	GROUND ELEVATION	CASING HEAD FLANGE ELEVATION	DISTANCE FROM RKB TO CHF
01/21/20	FEET: 118	148	30

SINGLE, DUAL OR TRIPLE COMPLETION? (S,D,T)	S	NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION	
WAS WELL DIRECTIONALLY DRILLED?	YES		
WAS DIRECTIONAL SURVEY MADE?	YES		
WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?	YES	DATE FILED :	10/17/19
WAS WELL HYDRAULICALLY FRACTURED? IF YES, INCLUDE WH-1 SUPPLEMENTAL PAGE 3.			
TYPE OF ELECTRICAL OR OTHER LOGS RUN		DATE FILED :	
5" GR	DATE FILED :	11/4/19	DATE FILED :
1" GR	DATE FILED :	11/4/19	DATE FILED :

HOLE SIZE	CASING SIZE	CASING WEIGHT (one line per weight depth)	DEPTH SET		SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED (MM DD YY)	NAME OF TEST WITNESS - STATE IF CONSERVATION AGENT OR OFFSET OPERATOR
			FROM	TO					
Drive	20"	106.5	0	145'	NA	NA	NA	NA	NA
17-1/2"	13-3/8"	68	0	4073'	3000	2,950	30 mins	08/12/19	Robbie J. Edwards, CES
12-1/4"	9-7/8"	62.8	0	14,730'	1640	6,050	30 mins	09/03/19	Robbie J. Edwards, CES
8-1/2"	5-1/2"	23	14,363	22,500'	NA	3,750	30 mins	10/01/19	Robbie J. Edwards, CES
CHECK THIS BOX TO INDICATE ADDITIONAL CASING / TUBING DATA ON BACK OF FORM:									

CHECK THIS BOX TO INDICATE ADDITIONAL CASING / TUBING DATA ON BACK OF FORM:									
TUBING SIZE:	5-1/2"	DEPTH OF TUBING:	0'	DEPTH OF PACKER(S):	14,077				
			14,077		14,363				

INITIAL COMPLETION OR RE-COMPLETION DATA									
INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD					
210 BOPD	1,650 MCFD	7,857 CF/BBL	18 /64"	Natural Flow					
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BS&W					
8,200 PSIG	6,063 PSIG	1,300 PSIG	3,343 BPD	94 %					
GRAVITY	SHUT-IN BHP	COMPANY REPRESENTATIVE		DATE GAUGED					
52 API - 60°F	14100 PSIG	Matt Kintzele		1/23/20					

PLUG AND ABANDON (P & A) DATA									
CASING SIZE (in.)	AMOUNT PULLED	CEMENT PLUGS	DATE WORK PERFORMED	NAME OF TEST WITNESS STATE IF CONSERVATION AGENT OR OFFSET OPERATOR					
		FROM TO SACKS HOW PLACED							

CERTIFICATE: I, the undersigned, state: That I am employed by		Southwind Oil & Gas LLC		and that	
I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.					
Signature:	Toni Kelley	Title:	Sr., Regulatory Representative		
Printed Name:	Toni Kelley	Email:	tekelley@marathonoil.com		
Phone No.:	713-296-2417	Fax No.:		Addr.: 5555 San Felipe, Houston TX 77056	

*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in.	Reviewed By:	Date Reviewed:	RECEIVED	FORM WH-1 (7-15)
			JAN 30 2020	
			Monroe District Office of Conservation	

WORK RESUME

Serial Number: **251809**

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
	07/22/2019- 08/02/2019 8/3/2019	Ensign Rig 777	Hold daily safety meeting. RU & prepare to spud. MU BHA and spud well. 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 200bbbs back to surface. WOC 12 hours. Make cuts on casing. Make notification to Robbie Edwards for intent to test BOPS. NU and test BOPS rams and valves 250L/10000H for 5 min each. Test Hydril 250L/3500H. Test 13-3/8" casing 2950 psi for 30 min, good test. Drill out plugs, float equipment, Performed FIT.
	08/04/2019- 08/14/2019		
	08/15/2019- 09/2/2019:		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 intermediate 14,730'. CBU and POOH. Run 9-7/8" casing to 14,698'MD. Cement well, bump plugs. WOC.
	09/03/2019- 09/13/2019		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'.
	09/14/2019- 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. 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 hanger. Test casing liner 3750' psi for 1 hour. POOH & LD Drill pipe
	10/02/2019- 10/12/2019		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 casing equipment. ND BOPS. Install tubing head. Move Rig
			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 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-metal (8) seals), along with two swell packers installed in the 9-7/8" x 5-1/2" liner annulus. A third swell packer is installed in the open hole across the Brownstone formation (above the Austin Chalk).

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01/30/2020
Monroe District Office
of
Conservation

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
Jackson	5,420		
cockfield	6,004		
Wilcox	8,073		
Midway	12,131		
U Cretaceous	13,231		
Austin Chalk	15,371		
Austin Chalk A	15,803		

Office of Conservation Use Only

Well Information Checked By:

Initials

Serial Number: 251809

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
	10/16/2019-10/27/2019	STEP, PETROSTAR	Cleanout out wellbore with coiled tubing, conduct casing tests, perforate toe of well (22,371' – 22,372'), and conduct DFIT
	10/28/2019-12/04/2019	Halliburton	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 the original liner top packer (located at 14,363'). Pressure was continually monitored on location while awaiting the arrival of the workover rig.
	12/04/2019-12/28/2019	Moncla	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.
	12/28/2019-01/1/2020	Schlumberger, Nine Energy	MIRU coil tubing, cleanout wellbore prior to frac. MIRU frac and supporting equipment. Hydraulically frac 30 stages from 16,157' – 22,372'. MIRU coil tubing, drillout frac plugs, and clean
	1/21/2020	Falcon	Open well for well testing.

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Initials

PAGE OF

WH-1 CONTINUATION PAGE - ATTACHED
(ATTACH CONTINUATION PAGE(S) IF MORE SPACE IS NECESSARY)

CERTIFICATE: I certify that, to the best of my knowledge, all volumes, ingredients and concentrations reported above, included in the attached service company documentation, or provided to a publicly accessible database, are correct to the best of my knowledge.

Signature:

Title:

Date _____

1/24/2020

SOUTHWIND OIL & GAS LLC

5555 San Felipe Street, Suite 3556
Houston, Texas, USA 77056
Telephone: 713.296.2417 Mobile: 832.982.4596
tekelly@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 tekelly@marathonoil.com or at (713) 296-2417.

Sincerely,

Toni Kelley
Sr. Regulatory Representative
Southwind Oil & Gas LLC

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