### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

### APPLICATION OF SOUTHWEST ROYALTIES, INC. FOR APPROVAL OF EXPANSION OF PRESSURE MAINTENANCE PROJECT, LEA COUNTY, NEW MEXICO

Case No. 21047

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  - B. Plat of Flying M San Andres Unit
  - C. Background on Flying M San Andres Unit
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### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

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# Case No. 2047

### APPLICATION

Pursuant to 19.15.26.8.F NMAC, Southwest Royalties, Inc. ("SRI") (OGRID No. 21355) requests an order authorizing SRI to expand the Flying 'M' San Andres Pressure Maintenance Project ("Project") area and convert three of its producing wells to injectors. In support of its application, SRI states the following.

1. The Division issued Order R-3229 approving the Project on May 3, 1967. The Division has previously authorized SRI to expand the Project and most recently did so on September 9, 2003 in Administrative Order PMX-222.

The current Project area includes the following lands in Township 9 South, Range
 33 East in Lea County:

Section 15: W/2 W/2 Section 16: all Section 17: all Section 20 E/2 and E/2 NW/4 Section 21: all Section 22: W/2 W/2 Section 27: W/2 NW/4 Section 28: N/2, SW/4, and W/2 SE/4 Section 29: all Section 32: NE/4 and E/2 NW/4 Section 33: W/2 NW/4 and NE/4

> Case No. 21047 SOUTHWEST ROYALTIES Exhibit #1

SRI seeks authorization to expand the Project area to include the NE/4 of Section
 Township 9 South, Range 33 East.

4. SRI also seeks authorization to convert the following producing wells to injection wells: Flying 'M' SA Unit #131 (API No. 30-025-20561), McGuffin #3 (API No. 30-025-24694), and Gonsales 31 Federal #2 (API No. 30-025-24004). SRI's Application for Authorization to Inject (Division Form C-108) is attached as Exhibit A.

5. The Flying 'M' SA Unit #131 well is located within the current Project area at 1978' FNL and 1993' FWL in Unit F in Section 21, Township 9 South, Range 33 East. The proposed injection interval is located in the San Andres formation at a depth of 4,456 to 4,518 feet, and the proposed maximum injection rate is 600 barrels per day at a maximum injection pressure of 800 psig.

6. The McGuffin #3 well is located within the current Project area at 660' FNL and 1980' FWL in Unit C in Section 29, Township 9 South, Range 33 East. The proposed injection interval is located in the San Andres formation at a depth of 4,354 to 4,422 feet, and the proposed maximum injection rate is 600 barrels per day at a maximum injection pressure of 800 psig. SRI obtained Division approval to plug the well in 2017 but now desires to convert the well to injection.

7. The Gonsales 31 Federal #2 well is located within the expanded Project area at 1980' FNL and 660' FEL in Unit H in Section 31, Township 9 South, Range 33 East. The proposed injection interval is located in the San Andres formation at a depth of 4,261 to 4,294 feet, and the proposed maximum injection rate is 600 barrels per day at a maximum injection pressure of 800 psig.

 SRI is the designated operator of the Project. 100% of the working interests are committed to the Project.

2

9. The expansion of the Project will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

WHEREFORE, SRI requests that this Application be set for hearing on February 6, 2020 and that, after notice and hearing, the Division enter an order approving the expansion of the Project to include the NE/4 of Section 31, Township 9 South, Range 33 East and authorizing SRI to convert to injection the Flying 'M' SA Unit #131, McGuffin #3, and Gonsales 31 Federal #2 wells.

Respectfully submitted,

HINKLE SHANOR LLP

Dana S. Hardy

Dana S. Hardy Dioscoro A. Blanco P.O. Box 2068 Santa Fe, NM 87504-2068 Phone: (505) 982-4554 Facsimile: (505) 982-8623 dhardy@hinklelawfirm.com ablanco@hinklelawfirm.com

Counsel for Southwest Royalties, Inc.

Revised March 23, 2017

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

### APPLICATION FOR AUTHORIZATION TO INJECT

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L	PURPOSE:       Secondary Recovery       X       Pressure Maintenance       Disposal       Storage         Application qualifies for administrative approval?       X       Yes       No
11.	OPERATOR: _Southwest Royalties, Inc
	ADDRESS: _P. O. Box 53570, Midland, TX 79710
	CONTACT PARTY: Danny Holcomb, Agent PHONE: 806-471-5628
ш	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? X Yes No If yes, give the Division order number authorizing the project: R-3229 issued in case no. 3555 dated 5/3/1967
v.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: _Danny J. HolcombTITLE:Agent
	SIGNATURE: DODolcomb DATE: 11/25/2019
	E-MAIL ADDRESS:danny@pwllc.net

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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### Southwest Royalties, Inc. Flying 'M' San Andres Pressure Maintenance Project Expansion T9S, R33E, Lea County, New Mexico <u>C108 Application for Authorization to Inject</u>

1.

The purpose of this application is seeking NMOCD approval for the expansion of the Flying 'M' San Andres Pressure Maintenance Project by converting three wells to injection into the San Andres formation, Flying M; San Andres Pool.

#### 11.

<u>Operator</u>: Southwest Royalties, Inc. <u>Address</u>: P. O. Box 53570, Midland, Texas 79710 <u>Contact Party</u>: Todd Yocham (432) 685-9038 email: <u>tyocham@swrpermian.com</u>

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Well Names	API Numbers	ULSTR	Injection Interva
Flying 'M' SA Unit #131	30-025-20561	F-21-9S-33E	4456' - 4518'
McGuffin #3	30-025-25694	C-29-95-33E	4354' - 4422'
Gonzales 31 Federal #2	30-025-24004	H-31-95-33E	4261' - 4294'

Operator: Southwest Royalties, Inc. OGRID: 21355 Proposed Formation: Flying 'M' San Andres (Pool Code: 24620) Please see Exhibit "A" for additional well data.

IV.

This is an expansion of the Flying 'M' Field Pressure Maintenance Project. This project was approved by Order R-3229, issued in Case No. 3555 on 5/3/1967 and subsequently expanded multiple times. The approved project area, as of the date of this application, is described as follows:

Lea County, New Mexico

### Township 9 South, Range 33 East, NMPM

Section 15: W/2 W/2 Section 16: All Section 17: All Section 20: E/2 and E/2 NW/4 Section 21: All Section 22: W/2 W/2 Section 27: W/2 NW/4 Section 28: N/2, SW/4, and W/2 SE/4 Section 29: All (W/2 W/2 added via PMX-197 on 7/30/1998) Section 32: NE/4 and E/2 NW/4 Section 33: W/2 NW/4, and NE/4 (NE/4 added via PMX-33 on 11/28/1969)

Please see Exhibit "A" for a project area map with the three proposed new injectors identified and candidate well wellbore diagrams.

### Southwest Royalties, Inc. Flying 'M' San Andres Pressure Maintenance Project Expansion T9S, R33E, Lea County, New Mexico <u>C108 Application for Authorization to Inject</u>

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Please see Exhibit "B" for a 2 mile radius lease map.

### VI.

There are thirty offset wells located within the three wells' 0.5 mile Areas of Review. Three of these offset wells <u>do not penetrate</u> the proposed disposal interval. Twenty-seven of these offset wells <u>do penetrate</u> the proposed disposal interval. See AOR maps, list of offset wells and offset wellbore diagrams in Exhibit "C".

VII.

1. Anticipated injection volume per well – 300 BWPD with a maximum of 600 BWPD.

- 2. System will be closed. Water will be piped to the injectors from the waterflood pump station.
- 3. Anticipated injection pressure: Average 500 psig, Maximum 800 psig.
- Injection fluid will be produced water from the Flying M San Andres Field. No compatibility issues are anticipated. Please see Exhibit "D" for produced water analysis from area wells.
- 5. Injection will be into the productive Flying 'M' San Andres Pool for the purpose of increasing the ultimate recovery of oil within the project area.

VII	l
Formation	Average Depth (ft)
T. Anhydrite	1750
T. San Andres	3650
Proposed injection interval	4261 - 4518
T. Abo	7750

There are no overlying productive formations in the Flying 'M' Field. The nearest underlying productive formation is the Abo which is approximately 3000 feet deeper than the San Andres.

The only known fresh water formation in this area is found at 40 – 50 feet which is approximately 4200 feet above the proposed injection interval in the San Andres formation.

Each proposed injection well was originally drilled as San Andres producers. The proposed conversion to injection would be through existing perforations at noted in Section III above.

IX.

<u>Proposed Completion Procedure</u>: Pull and lay down production tubing. Run 2-3/8" internally plastic-coated tubing and injection packer, set packer within 100 feet of the top perf, pressure test casing. Use existing perforations for injection. Perform pump-in test to establish injection rate. If pump-in test results are favorable, no stimulation is planned. If pump-in test results are unfavorable, an acid job will be pumped.

### Southwest Royalties, Inc. Flying 'M' San Andres Pressure Maintenance Project Expansion T9S, R33E, Lea County, New Mexico <u>C108 Application for Authorization to Inject</u>

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Any logs performed will be submitted after completion.

### XI.

NM OSE records indicate there is 1 fresh water well within the three 1 mile Areas of Review. See Exhibit "E" for copies of OSE data base queries, an AOR map and water sample test results.

### XII.

Please see Exhibit "F" for geological affirmative statement concerning open faults or hydrological connection between the proposed injection interval and any underground sources of drinking water has been found.

### XIII.

Please see Exhibit "G" for Proof of Notice. Included is a map of the Areas of Review, list of affected parties and certified mail electronic signature receipts for notices. Per Rule 11(3) of Order R-3555 dated 5/3/1067, each noticee was provided a complete copy of the PMX expansion application. The original affidavit of publication from the Lovington Leader newspaper for the required public notice is included under separate cover.

Agent for Southwest Royalties, Inc.

Date:

Southwest Royalties, Inc Flying 'M' San Andres Field PMX Flying 'M' SA Unit #131 (30-025-20561) F-21-95-33E Lea County, New Mexico

### Well Data

Data obtained from records maintained by the operator and NMOCD.

Well spudded on 9/10/1963 by Coastal States Gas Producing Company as a Bough 'C' oil well test.

13-3/8" 54.5# casing was set in 17-1/2" hole at 405'. Cemented with 350 sacks of cement. Cement circulated to surface.

8-5/8" 32# casing was set in 12-1/4" hole at 3993'. Cemented with 650 sacks of cement. Cement circulated to surface.

5-1/2" 15.5# casing was set in 7-7/8" hole at 9407'. Cemented with 350 sacks of cement. Cement did not circulate. Top of cement at 7050' (calc). TD at 9407'.

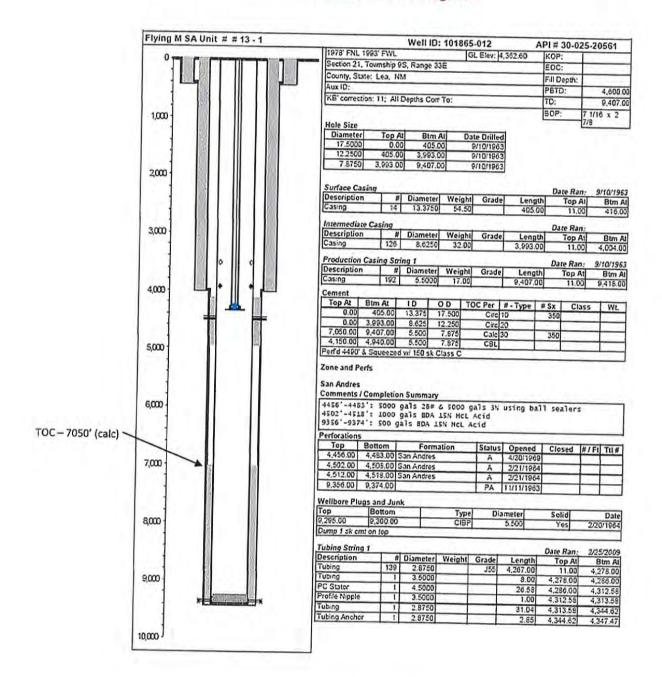
Bough 'C' completion was attempted at 9356' – 9374' and subsequently abandoned. Coastal set a CIBP at 9300' with 20' of cement on top, perf/sqzd at 4490' with 150 sacks of cement and ran a CBL finding cement at 4150' – 4940'. Well was then perforated/acidized at 4502' – 4518' and completed as a San Andres oil well in February, 1964.

On March 1, 1997, Southwest Royalties, Inc become the operator of record. Production has declined to less than 2 BOPD. Southwest Royalties, Inc desires to now convert this well to water injection to optimize offset production within the pattern.

Formation	Depth (ft)
Anhydrite	1880
San Andres	3720
Abo	7000

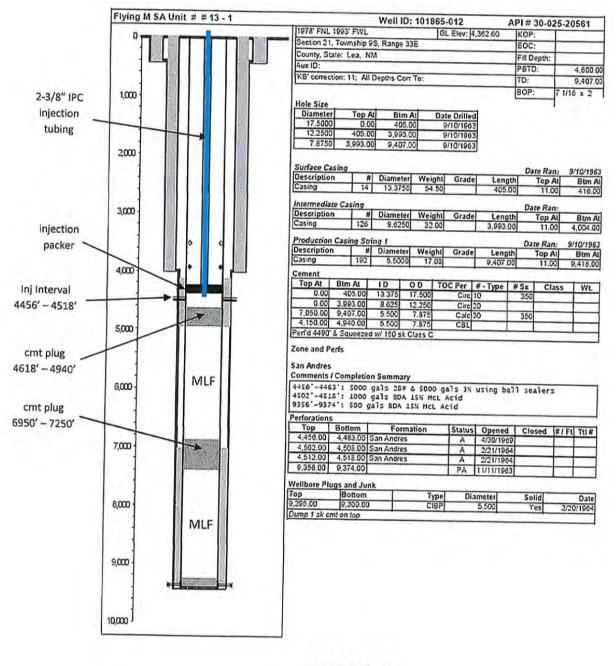
Southwest Royalties, Inc Flying 'M' San Andres Field PMX Flying 'M' SA Unit #131 (30-025-20561) F-21-9S-33E Lea County, New Mexico

### **Current Wellbore Diagram**



### Southwest Royalties, Inc Flying 'M' San Andres Field PMX Flying 'M' SA Unit #131 (30-025-20561) F-21-9S-33E Lea County, New Mexico

### **Proposed Wellbore Diagram**



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**EXHIBIT "A"** 

Southwest Royalties, Inc Flying 'M' San Andres Field PMX McGuffin #3 (30-025-24694) C-29-9S-33E Lea County, New Mexico

### Well Data

Data obtained from records maintained by the operator and NMOCD.

Well spudded on 5/14/1974 by Coastal States Gas Producing Company as a San Andres oil well.

8-5/8" 24# casing was set in 11" hole at 408'. Cemented with 300 sacks of cement. Cement circulated to surface.

4-1/2" 14.8# casing was set in 7-7/8" hole at 4449'. Cemented with 250 sacks of cement. Cement did not circulate. Top of cement at 3150' (calc). TD at 4449'.

Casing was perforated/acidized at 4354' – 4422' and completed as a San Andres oil well in May, 1974.

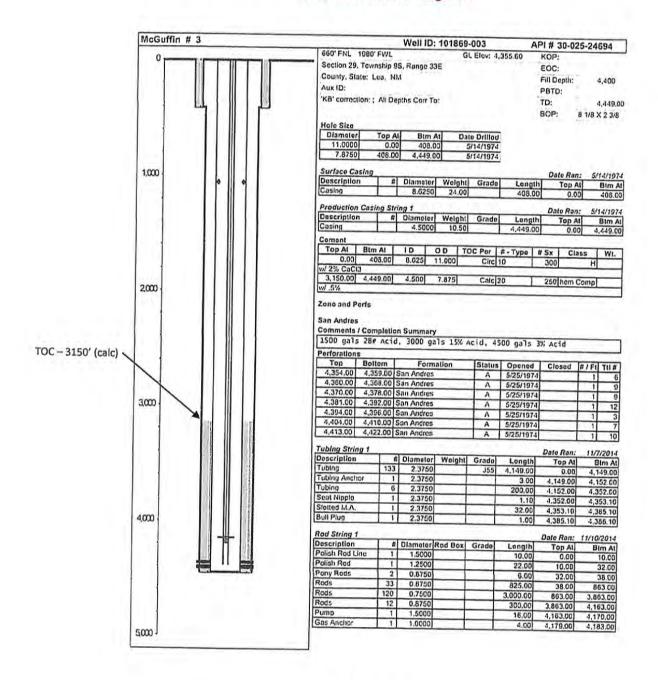
On March 1, 1997, Southwest Royalties, Inc become the operator of record. Production has declined to less than 2 BOPD. The well was shut in during July, 2015. During 2017, Southwest Royalties received approval to plug the well, but now desires to instead convert this well to water injection to optimize offset production within the pattern.

Reported Forma	
Formation	Depth (ft)
Anhydrite	1870
San Andres	3619

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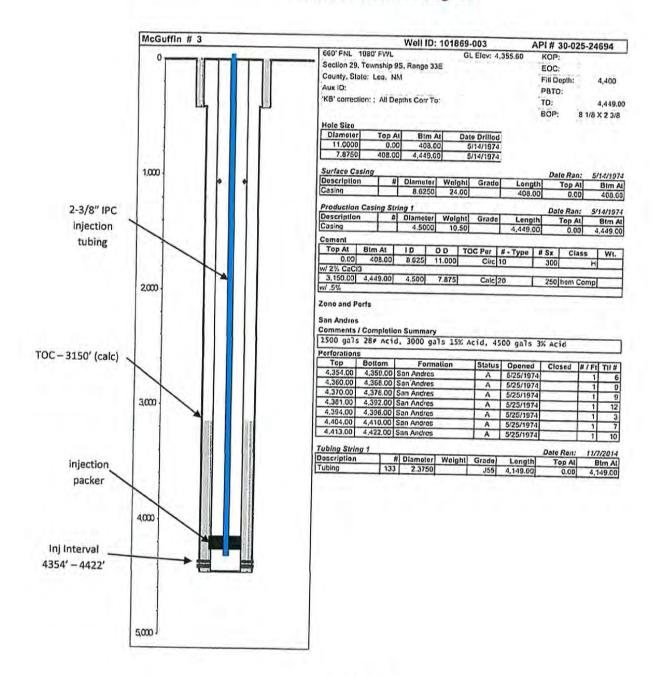
Southwest Royalties, Inc Flying 'M' San Andres Field PMX McGuffin #3 (30-025-24694) C-29-9S-33E Lea County, New Mexico

### **Current Wellbore Diagram**



### Southwest Royalties, Inc Flying 'M' San Andres Field PMX McGuffin #3 (30-025-24694) C-29-9S-33E Lea County, New Mexico

### **Proposed Wellbore Diagram**



### Southwest Royalties, Inc Flying 'M' San Andres Field PMX Gonzales 31 Federal #2 (30-025-24004) H-31-9S-33E Lea County, New Mexico

### Well Data

Data obtained from records maintained by the operator and NMOCD.

Well spudded on 12/23/1971 by Coastal States Gas Producing Company as a San Andres oil well.

8-5/8" 24# casing was set in 11" hole at 370'. Cemented with 250 sacks of cement. Cement circulated to surface.

4-1/2" 9.5# casing was set in 7-7/8" hole at 4370'. Cemented with 200 sacks of cement. Cement did not circulate. Top of cement at 3211' (calc). TD at 4370'.

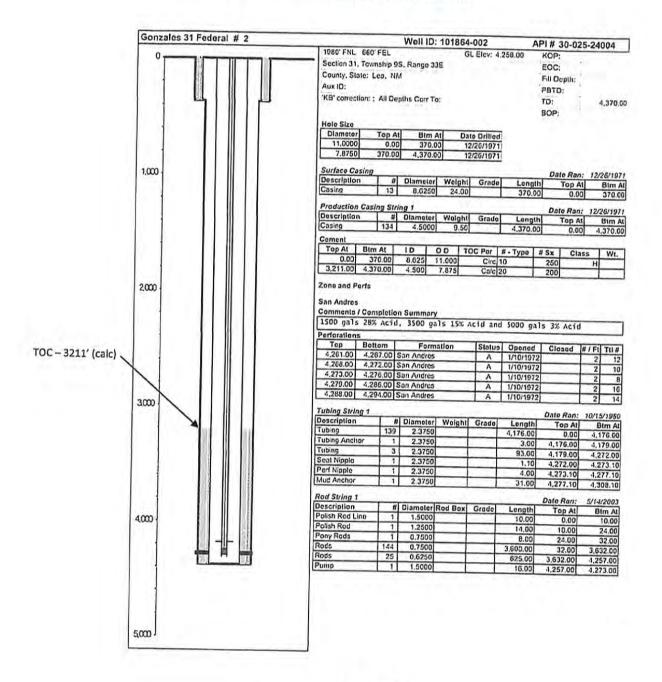
Casing was perforated/acidized at 4354' – 4422' and completed as a San Andres oil well in Jan, 1972.

On March 1, 1997, Southwest Royalties, Inc become the operator of record. Production has declined to less than 1 BOPD. The well was shut in during July, 2015. Southwest Royalties desires to convert this well to water injection to optimize offset production within the pattern.

<b>Reported Forma</b>	tion Tops (1974)
Formation	Depth (ft)
San Andres	3550

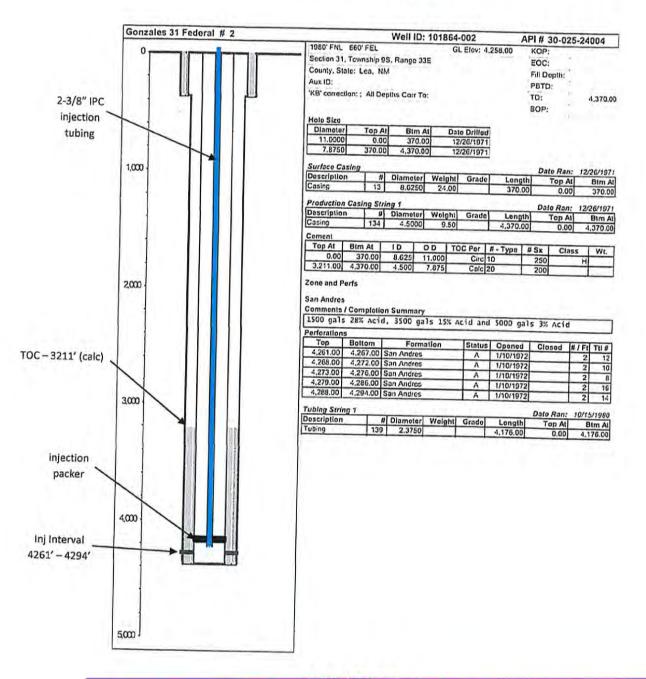
Southwest Royalties, Inc Flying 'M' San Andres Field PMX Gonzales 31 Federal #2 (30-025-24004) H-31-9S-33E Lea County, New Mexico

### **Current Wellbore Diagram**

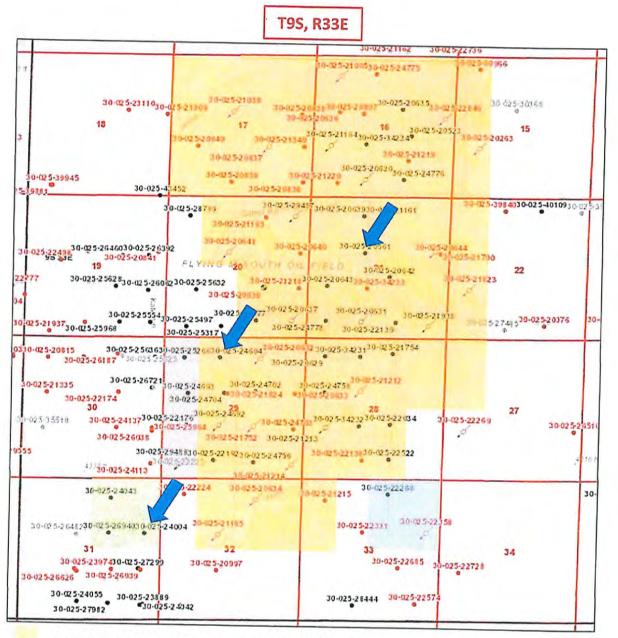


Southwest Royalties, Inc Flying 'M' San Andres Field PMX Gonzales 31 Federal #2 (30-025-24004) H-31-9S-33E Lea County, New Mexico

### **Proposed Wellbore Diagram**



Southwest Royalties, Inc. Flying 'M' San Andres Pressure Maintenance Project Expansion T9S, R33E, Lea County, New Mexico Project Area Map



Pressure Maintenance Project Area (R-3229 dated 5/3/1967)

Project Area Expansion (PMX-33 dated 11/28/1969)

Project Area Expansion (PMX-197 dated 7/30/1998)

Application for Expansion of PM Project Area (2019)

Application wells (2019)

### Southwest Royalties, Inc. Flying 'M' San Andres Pressure Maintenance Project Expansion T9S, R33E, Lea County, New Mexico Lease Map – 0.5 Mile and 2 Mile AORs

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10-025-29413 100 30-025-34234 T95 - R33E 30-025-21219 30-025-20205 McGuffin #3 30-025-2013630-025-21220 30-025-2063030-025-24776 15 30-025-20839 30-025-24694 30-025-43 452 Proposed Inj 30-125-3984 30-025-21163 30-025-29 30-025-28789 30-025-2063 930-025-211 4354' - 4422' 30-025-20772 30-025-2645030-025-2630 30-025-20641 30-025-20561 30-0 10 5-20644 30-025-22498 ,a 30-025-21700 .n. 24 19 20 22 025-206-42 30-025-22777 30-025/21004 30-025-25628 30 10-025-20643 30-025-3 30-025-20638 30-025-21523 P 025-2063 0-025-22216 30 fg 5-2205 30-025-21-13830-025-2596830-025-2 30-02 .30-02 30 13930-025-21038 30-025-21937 30-025-2549730-025-25317 477,7 30-025-2748 30-025-20631 ø 30-025-22 10.025.2062 93 0.02 5.3423 1 30.02 5. 1754 30-025-20 10-025-2526630-025-2469430-025-20632 30-025-21-441 30-025-21003 30-025-20815 Flying 'M' SA Unit #131 95 32E 30-025-22174 30-025 95 33E 10-025-24758 30-025-21212 30-025-21335 30-025-2470430-025-2470 25-25635 30-025-2 30-025-20561 30-02! 0633 25 30 Proposed Inj 29 20 0-02 5-2 4692 30-025-21213 30-025-2203 30-025-35518 30-025-2413730-025-2603 30-025-25964 30-025-247 4456' - 4518' 30-025-34232 30-025-21752 30-02 5-2 9555 -02 5-29488 30-02 5-22 192 30-02 5-24756 30-02 5-212 14 30-025-2213830-025-22522 30-025-241130 5-22223 30-025-222 30-025-22208 0-025-24043 30-025-20614 30-025-21215 30-025-22350 230-025-2694030-025-2400 30-5-21165 30-025-22331 30.0254 36 32 31 33 34 30-025-2729 30-025-22685 30-025 5-20997 0-025-22728 30-02 5-2 6497 025-26939 30-025-2405530-025 30-025-28444 30-025-22574 210.02 30-025-23859 430-025-2831130-025-22686 Gonzales 31 Fed #2 0-025-24194 30-025-24257 30-025-23164 30.025-34309 30-025-24004 109 32E 105 33E 01 06 30-025-28500 03 10-025-24795 Proposed Inj 30 4261' - 4294' 30-025-23187 7/30/2019, 6:27:31 PM 1:26,842 Well Locations - Small Scale Gas, Garceled Never Driled . Oil Temporanty Abondoned 0.25 05 1 mi · Activo Gas. New 4 SaltWaltr Injection Active 0 0.4 \* New 0.8 1.6km Gas, Plagged SattWater Injection, Cancelled · Physical Gas. Temporany Abandoned Δ SaltWater Injection New Canonfed D histon Actua A SaltWater Injection, Plugged Tomporarity Abandoned hjecton Cancelled SallWater injectionTemporarily Abandoned WellLocations - Large Scale d hjecton New S Miscolamous . Water Active histon Phipped \* COZACIUS ð. Water, Cancelled Injecton TemporaniyAliandoned Water, New CO2 Canceled Od Actus Water, Physical CO2 New ٠ Ol Canceled US Censis Bureau NADOT, Sources Est HERF, Gamma Interney increment P Corp. GERCO, USCS, FAO, UPS NICAH, Geolaso, EN, Kabaser HL, Ordnince Survey, Esil Japan AF TI Esi China (Hang Kong). (c) Opindiseeskup constautin, ant ne CO2, Plugged ٨ Water, Temporanly Abandoned PLSS FEMDWORK OA New CO2. Temporally Abandoned Oz Pagord O GasActvo EXHIBIT "C"

### Southwest Royalties, Inc Flying M Field Pressure Maintenance Project Expansion 0.5 Mile AORs for Offset Wells

Hew Mexico O# Conservation Davision NM OCD O# and Gas Map. http://tmi-enterulinsajis.arcg/s.con/upps/setapp/sect/1.New Mexico O# Conservation Davision Southwest Royalties, Inc Flying M San Andres Field Pressure Maintenance Project Expansion Offset Wells within 0.5 Mile AORs

# Proposed Injector - Flying M SA Unit #131 (30-025-20561)

There are eight offset wells within the 0.5 mile AOR that penetrate the proposed injection interval.

UL, Sec, T, R	UL, Sec, T, R API Well No.	Well Name	DVL	Operator		WBD
H-20-95-33E	_	30-025-20640 Flving M SA I Init #13 2	AEAN'		Suldus	Page #
		C-CTH THIN UP IN Guilt	0+0+	DAD STATES PLACE CONSTRAINTS OF CO	P&A - cmt inside & outside rea in injection interior	
B-21-95-33E	30-025-21161	30-025-21161   Flving M SA Unit #15-1	15-1 4575'	Southwest Dovalty, Inc.		01
C-71-00-22E	0000 200 00		2	additives involuty, IIIC	Active San Andres producer	19
JCC-CC-T7-0	65002-520-05	Flying M SA Unit #13-2	4525'	#13-2   4525'   Southwest Rovalty Inc	Artine Can Andrea and	
H-71-95-33F	30-075-21700	China AACA Lints 114		and then far and and	AND A SALL ALIALES PROGUCES	20
	00/17-070.00	10 000 10 PLAN PLAN PLAN PLAN PLAN	4630'	Coastal States Oil/Gas Co	P&A - cmt incido 2. autoide antie :	
J-21-95-33F	20-075-20642	30-075-20642 Elvino Ad SA Hait and a manual state and and		2	I an - child iniside a outside as in injection interval	21
	24002 020 00	T-/T# 11UN HC IN SHILAI	4535		Active Can Andrea and the	
K-21-95-33F	30-075-24733	30-075-34732 Elving M CA 11-14 HF	10001	and think and and and	Active Sall Allares producer	22
		C# IIIO VC IAI BIIIÁI	4600	Southwest Rovalty. Inc	P&A - cmt incide & nutcide ere is inischien int	
L-21-95-33E	30-075-20643	30-075-20643 Elving AA CA Huit #17 7 AF 4 41	41.4.4		IEAJU UNICE CONTRICT CAR IN INJECTION INTERVAL	23
	-	7-/TH THUN WE IN SHILL	4244	Southwest Rovalty. Inc	Active San Andree produces	
N-21-95-33E	_	30-025-20631 Flving M SA Hnit #15 2	VEJU		שבמאר כמון שווחוכי או החתרבו	24
		7-CT# 1110 UP IN Similar	0/04	40/0 Journwest Koyalty, Inc	Active San Andres injector	36

# Proposed Injector - McGuffin #3 (30-025-24694)

There are eleven offset wells within the 0.5 mile AOR that penetrate the proposed injection interval.

M-20-95-33E 30-0	UL, Sec, T, R API Well No.	Well Name		Oncorton		WBD
	30-075-25407	Elving M Ctato #2	1000	Operator	Status	Page #
	10103 000	Z# aler in Sidia	4480	Sundown Energy, LP	Active San Andres producer	
N-20-95-33E 30-0	30-025-25317	Flying M State #1	4500'	Sundawn Enormy 10		26
0-20-95-33F 30-0	20.02 74777	-	2000	JULIA CITERERY, LP	Active San Andres producer	75
+	11147-07	FIYING INI SA UNIT #14-5	4459'	Southwest Rovalty Inc	Artino Can Andree mudican	11
B-29-95-33E 30-0	30-025-20632	Gonzales Federal #1-20	NTAN	and fair for the latter	works sail Allales producer	28
0.00 05 335 00 0			14410	CUDASTAI UII & GAS COLD	P&A – cmt inside & outside cer in intertion interval	00
23-33-33E 30-0	99757-57	30-025-25266 McGuffin #4	4456'	Southwest Bought, Inc.		53
E-29-95-33E 30-0	25-24693	30-025-24693 MAGuiffin #2	1.	Southwest hoyalty, IIIC	Active san Andres producer	30
	200	7# IIII MODIAL	4440	Southwest Rovalty. Inc	Active San Andree moducou	
F-29-95-33E 30-0	25-24704	30-025-24704   Flving M SA Unit #10	10121	Control of the second	traite sail Allaics producer	31
P-79-95-32E	AC010 30			Journwest Koyaity, Inc	Active San Andres producer	27
- 4	+70T7-C7	T# UILIONI +72TZ-CZD-OC	4480'	Southwest Rovalty Inc	0.00 A anti- 0 - 1 : 1 . 0 - 1 : - 1	30
G-29-95-33E 30-0	C074C-25	30-025-24702 Elving M CA IInit #10	17		read - critt inside & outside csg in injection interval	33
		OT # 11110 WC IN SHILL	4420	Southwest Rovalty. Inc	Active San Andres produces	
K-29-95-33E 30-0	30-025-24692	Flving M SA Unit #24-1	AAEN'	Conthurset Develo	יאניאר ממון שוותוכי ליוסתתרבו	34
A-30-95-33F 30-0	30-075-75636 have	Tark #4	DOLL	addition additioned the set of all t	Active San Andres injector	35
	00000	T# IICOD	4463	Southwest Royalty, Inc	Active San Andres producer	

EXHIBIT "C"

Southwest Royalties, Inc Flying M San Andres Field Pressure Maintenance Project Expansion Offset Wells within 0.5 Mile AORs

Proposed Injector - Gonzales 31 Federal #2 (30-025-24004)

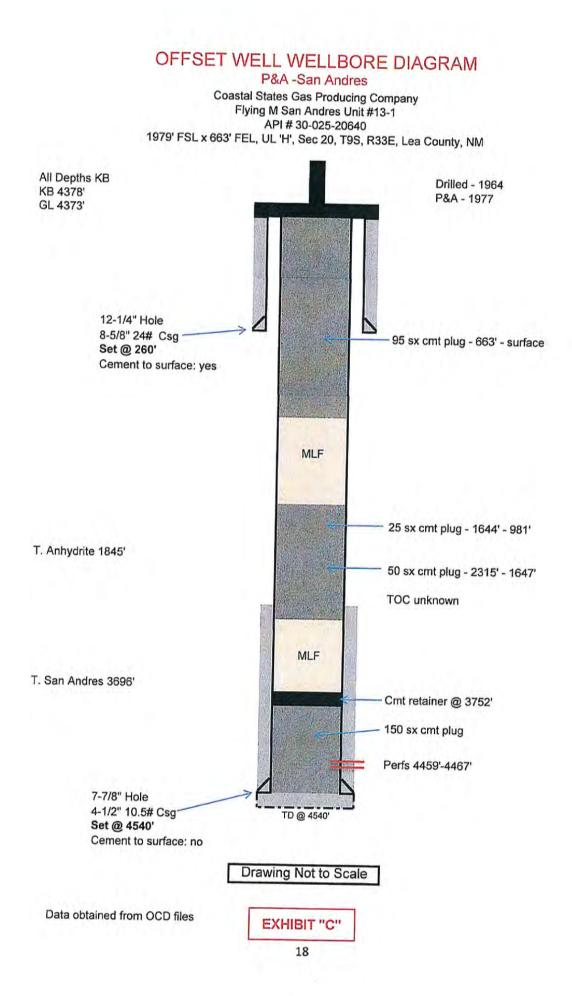
There are three offset wells within the 0.5 mile AOR that <mark>do not penetrate</mark> the proposed injection interval.

WBD	# dage		NIN	AN		NA		of nenetrated AIA	
	SUIPIC	ADD second and	APU CANCELLED		ADD rancollod	עו ה רפוורבוובה		U&A - Crooked hole. San Andres not nenetrated	
Operator	in the second se	BTA Oil Producare	Ciphon Line Cip	n-t	Belco Petroleum Corn		Southwort Dovalting	JUIL SAUIPACIT NUVALUES, INC	
DVD		ò		2	0	Ī	1127	1777	
Well Name	and the second s	Shell 6/2 Ltd #2		Federal 31 #3			Gonzales 31 Federal #6		
UL, Sec, T, R API Well No.	CCCC JCO OC	£7777-670-0C		30-025-26482		00000 300 00	READ7-C70-0C		
UL, Sec, T, R	D-20-05-02	JCC-CC-DC-I	1 34 00 22	1-31-335		1-31.05.335			

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UL, Sec, T, R	UL, Sec, T, R API Well No.	Well Name	UNT			WBD
D-20 00 22E	CARACTER OF			operator	Status	# opcd
JCC-CC-DC-1	20-025-24113	30-025-24113 Mildred Wright #1	4425'	Saxon Oil Company	D&A - rmt inside & autride and in the set	
B-31-95-33E	30-025-24043	30-025-24043 Gonzales 31 Federal #A	NECY		and the section of the section interval	37
G-21-00-220	DA DT TCAN			42/0 Southwest Royalties, Inc	Active San Andres producer	30
100.00 10.0	04607-070-00	20-023-20340 GONZAIES 31 FEDEral #7		Southwest Rovalties Inc	4311' Southwest Rovalties Inc Active San Andreas and	2
I-31-95-33E	30-025-27299	Gonzalee 31 Ead #CV	ILLEV	and feature for the state	AND	39
700 201		Int no I to course	/104	southwest Royalties, Inc	Southwest Royalties, Inc   Active San Andres producer	OV.
JCC-CC-TC C	\$/627-020-0c	Gonzales 31 Federal #1	4320'	Southwest Royalties, Inc	P&A - prod csg cmt'd through SA could not get into	14
						14
					csg to set plug inside prod csg, nearest internal plug	
-					at 700'	
1-21-325-33E	30-025-24042	30-025-24042   Gonzales 31 Federal #3	4320'	Southwest Bousition Inc.	4320' Southwest Pourling In Artic Control of	
P-31-95-33F	20.075 72000			our work of hand and a more and a more	Active San Andres producer	CV
	£0007-070-00	Gonzales 31 Federal #5	9070	Southwest Rovalties Inc	9070' Southwest Rovalties Inc Active San Audion	74
D-32-95-33E	30-025-22224 W/ A State #7	W & State #7	10000		Active sam Anares producer	43
		7# 21812 1	4440	444U   Coastal States GP Co	P&A - cmt inside & outside co in injection interiol	

EXHIBIT "C"



San Andres Producer

Southwest Royalties, Inc.

### Flying M San Andres Unit #151

API # 30-025-21161

# 659' FNL x 2310' FEL, UL "B", Section 21, T9S, R33E, Lea County, NM

	M SA Unit # #	15-1			Well ID	): 10186	5-017		API#3	0-025	-21161
0			659' FNL & 231	0' FEL			GL Elev: 4		KOP:	0-020	21101
0			Section 21, Tou	voshio 95	Ranne		or city, a	.507.00	A CONTRACTOR		
			County, State:			552		in the second	EOC:	in the second	
		101	<ul> <li>A state of the second se</li></ul>	Lea, NM					Fill De	pth:	
		195	Aux ID:	orna i s					PBTD	:	4.541.
			'KB' correction:	9: All De	pths Corr	To:			TD:		4,575.
									BOP:	1	4.07 0.
			Hala Clas						BOF.		
1			Hole Size	×							
			the second se	Top At	Btm		ate Drilled				
-	111		12.2500	0.00	265		7/1/1964				
1.1.1			7.8750	265.00	4,575	.00	7/9/1964				
1,000			Surface Casing							1.	2012
			Description	#	Diamoto	r Wolgh	d Grado	1 1		e Ran:	7/1/19
			Casing	8	8.625					Top At	Btm
1				-			4.55	265.	201	9.00	274.0
			Production Cas			Section 1	Same a		Date	e Ran:	7/9/190
			Description		Diamote	r Weigh	t Grade	Long		Top At	Btm A
			Casing	138	4.500				xo	9.00	4.584.0
			Cement		1.1.1.		1.			0.001	
			the second se	m At	ID	OD T	TOC Por	# - Type	# Sx	01	1 100
			0.00	265.00	8.625	12.250		10 - Lead	_	Class	the second se
			Lead: 2% CaCl				Girc	io-reau	200	Clas	SA
10.0			3,593.00 4,5	75.00	4.500	7.875	Calc	20 - Lead	200	Pon	miul
2,000 -			Contraction and a first					21 - Tail	100		cer
			Carl Constitution of the					22 - Tail	100	_	cer
			Lead: 2% CaCI:	Tail: 2%	CaCI: Ta	il: 2% Ca	CI	and then	100	m	-uil
			Zone and Porfs San Andres Comments / Co 4510'-4523':	mpletion Acidiz	Summar	y 00000 a	als BDA				
			San Andres Comments / Co 4510' -4523' :	mpletion Acidiz	Summar ed w/ 1	y 00000 ga	115 BDA				
			San Andres Comments / Co 4510'-4523': Perforations	Acidiz	ed w/ 1	.00000 ga					
			San Andres Comments / Co 4510'-4523': Perforations Top Bo	Acidiz ttom	ed w/ 1 Forr	00000 ga	Status	the second s		sod #	/ Ft Tti #
3000			San Andres Comments / Co 4510' - 4523' : Perforations Top Bo 4,476.00 4,5	Acidiz ttom 500.00 S	ed w/ 1 Forr an Andre:	.00000 ga nation	Status A	2/14/196	9	sod #	1
3,000			San Andres Comments / Co 4510' - 4523' : Perforations Top Bo 4,476.00 4,5 4,510.00 4,5	Acidiz ttom 500.00 S 516.00 S	ed w/ 1 Forr an Andre: an Andre:	00000 ga nation s	Status A A	2/14/196	9	sed #	1 2
3,000			San Andres           Comments / Co           4510' - 4523':           Perforations           Top         Bo           4,476.00         4,5           4,510.00         4,6           4,518.00         4,5	Acidiz ttom 500.00 S	ed w/ 1 Forr an Andre: an Andre:	00000 ga nation s	Status A	2/14/196	9	50d #	1
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1000			San Andres           Comments / Co           4510' - 4523':           Perforations           Top         Bo           4,476.00         4,5           4,510.00         4,5           4,518.00         4,5           Tubing String 1         Description	Acidiz ttom 500.00 S 516.00 S 523.00 S	ed w/ 1 Forr an Andre: an Andre: an Andre: Diamete	00000 gi nation 5 5 7 8	Status A A A Grade	2/14/196	9 4 4 Date		1 2 2 7/21/2016
1000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,5 <i>Tubing String 1</i> Description Tubing	Acidiz ttom 500.00 S 516.00 S 523.00 S # 137	ed w/ 1 Forr an Andre: an Andre: an Andre:	00000 gi nation 5 5 7 8	Status A A A	2/14/196 7/14/196 7/14/196	9 4 4 Date To	Ran:	1 2 2 7/21/2010 Btm At
.000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4.476.00 4.5 4.510.00 4.5 4.518.00 4.5 <i>Tubing String 1</i> Description Tubing Tubing Anchor	Acidiz ttom 500.00 S 516.00 S 523.00 S 8 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: Diamete 2.3750	00000 ga nation 5 5 5 7 Weigh	Status A A A Grade	2/14/196 7/14/196 7/14/196 Length	9 4 Date To	Ran:	1 2 2 7/21/2010 Btm At 4.346.00
.000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,5 4,518.00 4,5 Tubing String 1 Description Tubing Tubing Anchor Tubing	Acidiz ttom 500.00 S 516.00 S 523.00 S # 137 1 3	ed w/ 1 Forr an Andre: an Andre: an Andre: Diamete	00000 ga nation 5 5 5 7 Weigh	Status A A A Grade	2/14/196 7/14/196 7/14/196 Length 4,337.00	9 4 4 Date To 4,34	Ran: pp At 9.00	1 2 2 7/21/2010 8tm At 4.346.00 4.350.00
.000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,6 <i>Tubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barrel	Acidiz ttom 500.00 S 516.00 S 523.00 S 137 1 3 1	ed w/ 1 Forr an Andre: an Andre: an Andre: Diamete 2.3750	00000 ga nation 5 5 5 7 Weigh	Status A A A Grade	2/14/196 7/14/196 7/14/196 Length 4.337.00 4.00	9 4 4 Date To 4.34 4.35	Ran: pp At 9.00 6.00 0.00	1 2 2 7/21/2010 8tm At 4.346.00 4.350.00 4.444.00
1000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,5 <i>Tubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple	Acidiz ttom 500.00 S 516.00 S 523.00 S 137 1 3 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: Diamote 2.3750 2.3750	00000 gi nation 5 5 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 8 8 8	Status A A A Grade	2/14/196 7/14/196 7/14/196 4,337.00 4.00 94.00	9 4 4 Date 1 To 4.34 4,35	Ran: pp At 9.00 6.00 0.00 4.00	1 2 2 7/21/2010 Blm At 4.346.00 4.350.00 4.444.00 4.464.00
3000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,518.00 4,5 4,518.00 4,5 <i>Tubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barret Seat Nipple	Acidiz ttom 500.00 S 516.00 S 523.00 S 1 1 3 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: 2.3750 2.3750 2.3750	00000 gi nation 5 5 5 7 Weigh 2 2	Status A A A Grade	2/14/196 7/14/196 7/14/196 7/14/196 4.337.00 4.00 94.00 20.00	9 4 4 Date To 4.34 4.35 4.44	Ran: pp At 9.00 6.00 4.00 4.00	1 2 2 7/21/2016 Btm At 4.346.00
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,518.00 4,5 4,518.00 4,5 Tubing String 1 Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor	Acidiz ttom 500.00 S 500.00 S 516.00 S 523.00 S # 137 1 137 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andres an Andres an Andres 2.3750 2.3750 1.0500	00000 gi nation 5 5 5 7 Weigh 2 2	Status A A A Grade	2/14/196 7/14/196 7/14/196 4.337.00 4.00 94.00 20.00 1.00	9 4 Date To 4,34 4,35 4,44 4,46	Ran: pp At 9.00 6.00 0.00 4.00 5.00	1 2 2 2 8 8 10 4,346.00 4,350.00 4,444.00 4,464.00 4,465.00 4,469.00
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,518.00 4,5 4,518.00 4,5 <i>Tubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barret Seat Nipple	Acidiz ttom 500.00 S 516.00 S 523.00 S 1 1 3 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: 2.3750 2.3750 2.3750	00000 gi nation 5 5 5 7 Weigh 2 2	Status A A A Grade	2/14/196 7/14/196 7/14/196 7/14/196 4.337.00 4.00 94.00 20.00 1.00 4.00	9 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Ran: pp At 9.00 6.00 0.00 4.00 4.00 5.00 9.00	1 2 2 7/21/2016 Btm At 4.346.00 4.350.00 4.444.00 4.464.00 4.465.00
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4.5 4,510.00 4.5 4,510.00 4.5 4,518.00 4.5 4,518.00 4.5 7 <i>Tubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug	Acidiz ttom 500.00 S 500.00 S 516.00 S 523.00 S # 137 1 137 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andres an Andres an Andres 2.3750 2.3750 1.0500	00000 gi nation 5 5 5 7 Weigh 2 2	Status A A A Grade	2/14/196 7/14/196 7/14/196 7/14/196 4,337.00 94.00 94.00 20.00 1.00 4.00 31.00	9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Ran: pp At 9.00 6.00 0.00 4.00 4.00 5.00 9.00 0.00	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,6 4,518.00 4,6 7 <i>ubing String 1</i> Description Tubing Tubing Tubing Tubing Tubing Description Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug <i>Rod String 1</i>	Acidiz ttom 500.00 S 500.00 S 516.00 S 523.00 S 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: 2.3750 2.3750 1.0500 2.3750	00000 gi nation 5 5 5 7 8 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 4.00 94.00 20.00 1.00 4.00 31.00 0.60	9 4 4 4 4 4 4 4 4 4 4 4 4 4 5 5 4 4 4 4	Ran: pp At 9,00 6,00 0,00 4,00 4,00 5,00 9,00 0,00 0,00 Ran:	1 2 2 7/21/2016 Blm At 4,346.00 4,350.00 4,444.00 4,464.00 4,464.00 4,469.00 4,469.00 4,469.00 4,500.00 4,500.00
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,5 7ubing String 1 Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug Rod String 1 Description	Acidiz ttom 500.00 S 500.00 S 516.00 S 523.00 S 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andres an Andres an Andres 2.3750 2.3750 1.0500 2.3750 0.3750	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 4,337.00 94.00 94.00 20.00 1.00 4.00 31.00 0.60 Length	9 4 4 4 4 4 4 4 4 4 4 4 4 5 5 4 4 4 4 5 5 6 4 4 4 5 5 6 6 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Ran: pp At 9.00 6.00 0.00 4.00 5.00 9.00 0.00 Ran: p At	1 2 2 7/21/2016 Blm At 4,346.00 4,350.00 4,444.00 4,465.00 4,465.00 4,469.00 4,469.00 4,500.00 4,500.00 7/21/2016 Btm At
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,5 7ubing String 1 Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug Red String 1 Description Polish Rod Line	Acidiz ttom 500.00 S 500.00 S 516.00 S 523.00 S # 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andres an Andres an Andres 2.3750 2.3750 1.0500 2.3750 1.0500 2.3750 1.0500 2.3750	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 4,337.00 94.00 94.00 20.00 1.00 31.00 0.60 31.00 0.60	9 4 4 4 4 4 4,35 4,34 4,35 4,46 4,46 4,46 4,46 4,46 4,50 0 Date F Top (	Ran: pp At 9.00 6.00 0.00 4.00 5.00 9.00 0.00 Ran: p At 0.00	1 2 2 2 7/21/2016 Blm At 4,346.00 4,346.00 4,444.00 4,444.00 4,465.00 4,465.00 4,465.00 4,465.00 4,500
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,518.00 4,5 7 <i>ubing String 1</i> Description Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug Red String 1 Description Polish Rod Line Polish Rod	Acidiz ttom 500.00 S 500.00 S 516.00 S 523.00 S # 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andres an Andres an Andres Diamete 2.3750 2.3750 2.3750 2.3750 0.0500 2.3750 0.10500 0.2.3750 0.	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 4,337.00 94.00 94.00 20.00 1.00 31.00 31.00 0.60 Length 16.00 26.00	9 4 4 Date 4 4 4 4 4 4 4 4 4 4 4 4 4	Ran: pp At 9.00 0.00 4.00 4.00 5.00 9.00 0.00 Ran: p At 0.00 5.00	1 2 2 2 7/21/2016 Blm At 4,346.00 4,350.00 4,444.00 4,469.00 4,469.00 4,469.00 4,469.00 4,500
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,510.00 4,5 4,518.00 4,5 4,518.00 4,5 7 <i>ubing String 1</i> Description Tubing Pump Barrel Seat Nipple Part Nipple Mud Anchor Buil Plug Rod String 1 Description Polish Rod Line Polish Rod Pony Rods	Acidiz ttom 500.00 S 516.00 S 523.00 S 1137 1 137 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andres an Andres an Andres an Andres 2.3750 2.3750 2.3750 2.3750 0.0500 2.3750 0.0500 2.3750 0.0500 0.8750	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 2/14/196 94.000	9 4 4 Date 1 To 4.34 4.35 4.44 4.46 4.46 4.46 4.500 Date F To 0 0 16 42 42 42 42 43 43 43 43 43 43 43 43 43 43	Ran: pp At 9.00 6.00 4.00 4.00 5.00 9.00 0.00 Ran: p At 9.00 0.00 0.00 2.00	1 2 2 7/21/2016 Blm At 4,346.00 4,444.00 4,465.00 4,500.00
			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,510.00 4,5 4,518.00 4,6 7 7 7 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 7	Acidiz ttom 500.00 S 516.00 S 523.00 S 1137 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: an Andre: 2.3750 2.3750 2.3750 2.3750 2.3750 0.23750 0.8750 0.8750 0.8750	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 2/14/196 94.00 94.00 20.00 1.00 4.00 31.00 0.60 0.60 26.00 6.00 10.00	9 4 4 4 4 4 4 4 4 4 4 4 4 4	Ran: pp At 9,00 6,00 4,00 4,00 5,00 9,00 0,00 7,00 7,00 5,00 5,00 5,00 5,00 5	1 2 2 7/21/2016 Blm At 4,346.00 4,444.00 4,465.00 4,465.00 4,465.00 4,469.00 4,469.00 4,500.60 7/21/2016 Blm At 16.00 42.00 42.00 42.00 42.00 58.00
			San Andres Comments / Co [4510' - 4523': Perforations Top Bo 4,476.00 4.5 4,510.00 4.5 4,510.00 4.5 4,518.00 4.5 4,518.00 4.5 7 <i>Lubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug Red String 1 Description Polish Rod Line Polish Rod Line Polish Rod Pony Rods Rods Rods	Acidiz ttom 500.00 S 516.00 S 523.00 S 1137 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: an Andre: 2.3750 2.3750 2.3750 2.3750 2.3750 0.0500 2.3750 0.2375000000000000000000000000000000000000	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 2/14/196 94.00 94.00 94.00 94.00 94.00 1.00 4.00 31.00 0.60 0 4.00 6.00 6.00 10.00 4.425.00	9 4 4 Date 4 4 4 4 4 4 4 4 4 4 4 4 4	Ran: p At 9,00 6,00 0,00 4,00 4,00 5,00 9,00 0,00 7,00 8,00 3,00 3,00 3,00	1 2 2 7/21/2016 Blm At 4,346.00 4,444.00 4,464.00 4,469.00 4,500.00 4,469.00 4,500.00 4,400.00 4,500.00 4,500.00 5,800.00 4,400.00 5,800.00 4,400.00 5,800.00 5,800.00 4,400.00 5,800.00
3,000			San Andres Comments / Co 4510' - 4523': Perforations Top Bo 4,476.00 4,5 4,510.00 4,5 4,510.00 4,5 4,518.00 4,6 7 7 7 7 7 7 7 7 8 7 7 7 7 7 8 7 7 7 7	Acidiz ttom 500.00 S 516.00 S 523.00 S 1137 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: an Andre: 2.3750 2.3750 2.3750 2.3750 2.3750 0.23750 0.8750 0.8750 0.8750	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 2/14/196 94.00 94.00 20.00 1.00 4.00 31.00 0.60 0.60 26.00 6.00 10.00	9 4 4 4 4 4 4 4 4 4 4 4 4 4	Ran: p At 9,00 6,00 0,00 4,00 4,00 5,00 9,00 0,00 7,00 8,00 3,00 3,00 3,00	1 2 2 7/21/2016 Blm At 4,346.00 4,444.00 4,465.00 4,465.00 4,465.00 4,469.00 4,469.00 4,500.60 7/21/2016 Blm At 16.00 42.00 42.00 42.00 42.00 58.00
			San Andres Comments / Co [4510' - 4523': Perforations Top Bo 4,476.00 4.5 4,510.00 4.5 4,510.00 4.5 4,518.00 4.5 4,518.00 4.5 7 <i>Lubing String 1</i> Description Tubing Tubing Anchor Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Buil Plug Red String 1 Description Polish Rod Line Polish Rod Line Polish Rod Pony Rods Rods Rods	Acidiz ttom 500.00 S 516.00 S 523.00 S 1137 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 1 Forr an Andre: an Andre: an Andre: an Andre: 2.3750 2.3750 2.3750 2.3750 2.3750 0.2375000000000000000000000000000000000000	Rod Box	Status A A A Crade J55	2/14/196 7/14/196 7/14/196 7/14/196 7/14/196 2/14/196 94.00 94.00 94.00 94.00 94.00 1.00 4.00 31.00 0.60 0 4.00 6.00 6.00 10.00 4.425.00	9 4 4 Date 4 4 4 4 4 4 4 4 4 4 4 4 4	Ran: p At 9,00 6,00 0,00 4,00 4,00 5,00 9,00 0,00 7,00 8,00 3,00 3,00 3,00	1 2 2 7/21/2016 Blm At 4,346.00 4,444.00 4,464.00 4,464.00 4,469.00 4,500.00 4,400.00 4,500.00 4,400.00 4,500.00 4,500.00 4,500.00 4,400.00 4,400.00 4,500.00 4,400.00 5,800.00

San Andres Producer

Southwest Royalties, Inc.

Flying M San Andres Unit #132

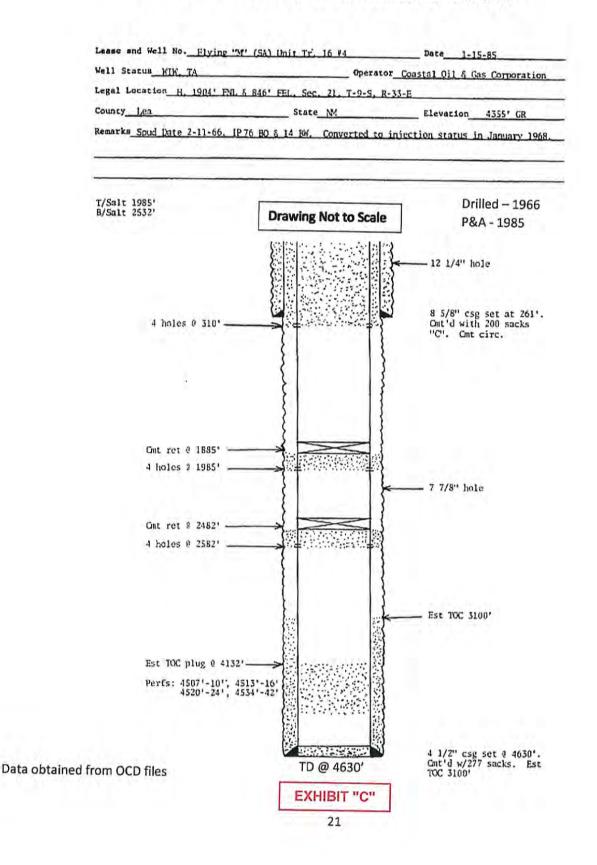
### API # 30-025-20639

659' FNL x 1985' FWL, UL "C", Section 21, T9S, R33E, Lea County, NM

Flying M	/ISA Unit # #13 - 2	and the second dealers		Well ID:	: 101865	-013	4	PI # 30-0	125.2	0630
0,		659' FNL 1985'	FWL		the second s	L Elev: 4	525.00	KOP:	20-2	0039
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		County, State:						EOC:	à	
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			i lan an	nie zenie				PBTD:	(i –	
		'KB' correction:	: All De	plhs Corr To	o:			TD:	i -	4,525
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)		Diameter	Top A	t) Btm		te Drilled				
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1,000		Surface Casing	1					Date R	an:	5/9/19
		Doscription	#	Diametor		Grade	Lengt			Btm
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		Braduation Co.					-			
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2000		W-11 - 001 - 01	_			2	21 - Tail		Class A	
		Tail: 2% CaCl								1.1.1
		San Andres Comments / Cor	mpletio	n Summary	,					
		Comments / Com 4470'-4487': ball sealers	Acidi	zed w/ 30	000 gals		id using	rock salt	t plug	g and
		Comments / Com 4470'-4487': ball sealers 4498'-4522':	Acidi	zed w/ 30	000 gals		id using	rock salt	t plug	g and
		Comments / Con 4470'-4487': ball sealers 4498'-4522': Perforations	Acidi Acidi	zed w/ 30 zed w/ 10	000 gals 000 gals	Unisol		rock salt	c plug	g and
		Comments / Con 4470' - 4487' : ball sealers 4498' - 4522' : Perforations Top Bot	Acidi Acidi ttom	zed w/ 30 zed w/ 10 Form	000 gals 000 gals	Unisol	Opened	Closed		
		Comments / Con           4470'-4487':           ball sealers           4498'-4522':           Perforations           Top         Bot           4.470.00         4.4	Acidi Acidi Itom	zed w/ 30 zed w/ 10 Form San Andres	000 gals 000 gals	Unisol Status A	Opened 4/25/1967	Closed		
		Comments / Con 4470' - 4487' : ball sealers 4498' - 4522' : Perforations Top Bot 4,470.00 4,4 4,478.00 4,4	Acidi Acidi Itom 73.00 82.00	zed w/ 30 zed w/ 10 Form San Andres San Andres	000 gals 000 gals	Unisol Status A A	Opened 4/25/1967 4/25/1967	Closed		t Tti #
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000		Comments / Con           4470'-4487':           ball sealers           4498'-4522':           Perforations           Top         Bot           4,470.00         4,4           4,478.00         4,4           4,484.00         4,5           4,509.00         4,5	Acidi Acidi 173.00 82.00 87.00 15.00 15.00	zed w/ 30 zed w/ 10 Form San Andres San Andres San Andres San Andres San Andres San Andres	000 gals	Unisol Status A A A A A A A	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964	Closed	#/F 1 1 1	1 Ttl #
000		Comments / Con 4470' - 4487' : ball sealers 4498' - 4522' : Perforations Top Bot 4.470.00 4.4 4.478.00 4.4 4.498.00 4.5 4.509.00 4.5 4.509.00 4.5 4.517.00 4.5 Tubing String 1	Acidi Acidi 173.00 1 82.00 2 87.00 3 03.00 3 15.00 3 22.00 3	zed w/ 30 zed w/ 10 Form San Andres San Andres San Andres San Andres San Andres San Andres San Andres	000 gals 000 gals	Unisol Status A A A A A A C A Grade	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 Length	Closed	# / F 1 1 1 : 12/2	t Ttl #
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000		Comments / Con 4470' -4487': ball seaters 4498' -4522': Perforations Top Bot 4.470.00 4.4 4.478.00 4.4 4.478.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 <i>Jubing String 1</i> Description	Acidi Acidi ttom 73.00 82.00 87.00 30.00 3	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A C A Grade	Oponod 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 Length 4,458.00 4.00	Closod	# / F 1 1 1 1 : 12/2 t t D 4, D 4,	t Tti #
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		Comments / Con 4470' - 4487' : ball sealers 4498' - 4522' : Perforations Top Bot 4.470.00 4,4 4.478.00 4,4 4.498.00 4,5 4.509.00 4,5 4.509.00 4,5 4.509.00 4,5 4.517.00 4,5 Tubing String 1 Description Tubing Tubing Anchor Tubing Pump Barrel Scal Nipple	Acidi Acidi Itom 173.00 82.00 82.00 87.00 15.00 22.00 1 141 141 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A C A Grade	Oponed 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 Length 4,458.00 4,00 4.00 20.00	Closed	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t Ttl # 27/2000 Btm A 458.00 462.00 466.00 486.00
		Comments / Con 4470' - 4487' : ball sealers 4498' - 4522' : Perforations Top Bot 4.470.00 4,4 4.478.00 4,4 4.498.00 4,5 4.509.00 4,5 4.509.00 4,5 4.509.00 4,5 4.517.00 4,5 Tubing String 1 Description Tubing Tubing Anchor Tubing Pump Barrel Scal Nipple	Acidi Acidi 173.00 1 82.00 3 87.00 3 15.00 5 22.00 3 141 141 1 3 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A C A Grade	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.05 4.00 4.00 4.00 20.00 1.10	Closed	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t Ttl # 27/2000 Btm A 458.00 462.00 466.00 486.00 486.00
	2 9	Comments / Con 4470' -4487': ball seaters 4498' -4522': Perforations Top Bot 4.470.00 4.4 4.478.00 4.4 4.478.00 4.4 4.484.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 Tubing String 1 Doscription Tubing Tubing Anchor Tubing Pump Barrel	Acidi Acidi 173.00 3 82.00 3 87.00 3 03.00 3 15.00 5 22.00 3 141 141 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A C A Grade	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.458.00 4.00 4.00 4.00 20.00 1.10 4.00	Closed Dato Ran Top A 0.00 4.458.00 4.462.00 4.466.00 4.486.00 4.487.10	# / F 1 1 1 1 1 1 1 1 1 1 1 1 1	t Ttl #
	0.	Comments / Con           4470' - 4487':           ball sealers           4498' - 4522':           Perforations           Top           Bott           4,478.00           4,478.00           4,478.00           4,478.00           4,478.00           4,478.00           4,478.00           4,509.00           4,517.00           9,50           10,50           10,50           10,50           10,50           10,50	Acidi Acidi 173.00 1 82.00 3 87.00 3 15.00 5 22.00 3 141 141 1 3 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A C A Grade	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.05 4.00 4.00 4.00 20.00 1.10	Closed	# / F 1 1 1 1 1 1 1 1 1 1 1 1 1	t Ttl #
		Comments / Con 4470' - 4487' : ball seaters 4498' - 4522' : Perforations Top Bot 4,470.00 4,4 4,478.00 4,4 4,478.00 4,5 4,509.00 4,5 4,509.00 4,5 4,509.00 4,5 4,509.00 4,5 4,517.00 4,5 Tubing String 1 Doscription Tubing Tubing Anchor Tubing Pump Barrel Scat Nipple Perf Nipple Mud Anchor Rod String 1	Acidi Acidi 173.00 3 82.00 3 87.00 3 03.00 3 15.00 5 22.00 3 141 141 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San Andres San Andres San Andres San Andres San Andres San Andres San Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750	000 gals	Unisol Status A A A A A A C A Grade	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.458.00 4.00 4.00 4.00 20.00 1.10 4.00	Closod Dato Ran Top A 0.00 4.458.00 4.466.00 4.486.00 4.487.10 4.491.10	#/F 1 1 1 1 1 1 2 4 0 4 , 0 4 , 0 4 , 0 4 , 0 4 , 0 4 , 0 4 , 0 4 , 0 4 , 0 4 , 0 1 4 , 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t Ttl # 27/2000 Btm Ai 458.00 466.00 486.00 487.10 491.10 521.10
	0 •	Comments / Con           4470' - 4487' :           ball sealers           4498' - 4522' :           Perforations           Top           4498' - 4522' :           Perforations           Top           4,470.00           4,478.00           4,478.00           4,478.00           4,478.00           4,498.00           4,517.00           4,517.00           4,517.00           4,517.00           4,517.00           Joscription           Tubing           Tubing Anchor           Tubing           Pump Barrel           Scal Nipple           Port Nipple           Mud Anchor           Rod String 1           Description	Acidi Acidi 173.00 3 82.00 3 87.00 3 03.00 3 15.00 5 22.00 3 141 141 1 1 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A C A Grade	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4/458.00 4.00 4.00 20.00 1.10 4.00 30.00	Dato Ran Top A 0.00 4.458.00 4.462.00 4.466.00 4.486.00 4.487.10 4.491.10 Dato Ran	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27/2003 Blm A 458.00 462.00 466.00 466.00 487.10 491.10 521.10
	0.	Comments / Con           4470' - 4487':           ball sealers           4498' - 4522':           Perforations           Top           4498' - 4522':           Perforations           Top           4498' - 4522':           Perforations           Top           4.470.00           4.478.00           4.478.00           4.498.00           4.509.00           4.509.00           4.517.00           4.517.00           4.517.00           4.517.00           Tubing String 1           Description           Tubing Anchor           Tubing Barrel           Scat Nipple           Port Nipple           Mud Anchor           Rod String 1           Description           Polish Rod Line	Acidi Acidi 173.00 1 82.00 1 82.00 3 03.00 3 15.00 3 22.00 3 15.00 3 22.00 3 11 11 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A Grade J55	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.458.00 4.00 4.00 4.00 20.00 1.10 4.00	Closed Dato Ran Top A 0.00 4.458.00 4.462.00 4.466.00 4.486.00 4.486.00 4.487.10 4.491.10 Date Ran Top At	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 Ttl # 27/2000 27/2000 465.000 465.000 466.000 466.000 487.100 521.100 521.100 7/2000 521.100
		Comments / Con           4470' - 4487':           ball sealers           4498' - 4522':           Perforations           Top           4498' - 4522':           Perforations           Top           4498' - 4522':           Perforations           Top           4.470.00           4.478.00           4.478.00           4.498.00           4.598.00           4.509.00           4.509.00           4.517.00           4.517.00           4.517.00           Tubing String 1           Description           Tubing Barrel           Scat Nipple           Pert Nipple           Mud Anchor           Rod String 1           Description           Polish Rod	Acidi Acidi 173.00 3 82.00 3 87.00 3 03.00 3 15.00 5 22.00 3 141 141 1 1 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A Grade J55	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.458.00 4.00 4.00 2.0.00 1.10 4.00 3.0.00 Length 14.00	Closed Dato Ran Top A 0.00 4.458.00 4.466.00 4.466.00 4.487.10 4.491.10 Date Ran Top At 0.00	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1	27/2003 Btm Ai 458.00 466.000 486.000 487.10 521.10 7/2005 31m At 14.00
		Comments / Con           4470' - 4487':           ball sealers           4498' - 4522':           Perforations           Top           4498' - 4522':           Perforations           Top           4498' - 4522':           Perforations           Top           4.470.00           4.478.00           4.478.00           4.498.00           4.509.00           4.509.00           4.517.00           4.517.00           4.517.00           4.517.00           Tubing String 1           Description           Tubing Anchor           Tubing Barrel           Scat Nipple           Port Nipple           Mud Anchor           Rod String 1           Description           Polish Rod Line	Acidi Acidi 173.00 3 82.00 3 87.00 3 03.00 3 15.00 5 22.00 3 141 141 1 1 1 1 1 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A Grade J55	Opened 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 4.458.00 4.00 20.00 1.10 4.00 30.00 Length 14.00 22.00	Closed Dato Ran Top A 0.00 4.458.00 4.465.00 4.465.00 4.486.00 4.486.00 4.486.00 4.487.10 4.491.10 Dato Ran: Top At 0.00 14.00	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 4, 1 0 4, 1 0 4, 1 0 4, 1 1 1 2 2 4, 1 0 4, 1 1 1 2 2 2 2 2 2 1 2 2 2 2 2 1 2	27/2000 Btm Ai 458.00 466.00 486.00 487.10 491.10 521.10 7/2005 511.40 36.00
		Comments / Con 4470' -4487': ball sealers 4498' -4522': Perforations Top Bot 4.470.00 4.4 4.478.00 4.4 4.478.00 4.4 4.498.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 7.00 4.5 7.0	Acidi Acidi 173.00 1 882.00 3 87.00 3 87.00 3 87.00 3 15.00 9 22.00 3 15.00 9 22.00 3 141 141 1 1 1 1 1 1 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A Grade J55	Oponod 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 0/2000 4.00 20.00 1.10 4.00 30.00 Length 14.00 22.00 8.00	Closed Dato Ran Top A 0.00 4.458.00 4.466.00 4.466.00 4.486.00 4.486.00 4.487.10 4.491.10 Dato Ran Top At 0.00 14.00 36.00	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 4 1 2 4 1 2 4 1 2 2 4 1 2 2 2 4	27/2000 BIm Al 458.00 462.00 486.00 487.10 486.10 521.10 5
	0.	Comments / Con 4470' - 4487' : ball sealers 4498' - 4522' : Perforations Top Bot 4,470.00 4,4 4,478.00 4,4 4,478.00 4,5 4,509.00 4,5 4,509.00 4,5 4,509.00 4,5 4,517.00 4,5 Tubing String 1 Description Tubing Pump Barrel Seat Nipple Perf Nipple Mud Anchor Red String 1 Description Polish Red Line Poly Rods Reds Reds	Acidi Acidi Itom 73.00 3 82.00 3 87.00 3 87.00 3 15.00 9 22.00 3 15.00 9 22.00 3 115.00 9 22.00 3 115.00 9 22.00 3 115.00 9 22.00 3 115.00 9 22.00 3 115.00 9 115.00	zed w/ 30 zed w/ 10 Form San Andres San San San San San San San San San San	000 gals	Unisol Status A A A A A A Grade J55	Oponod 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 2/20/1964 4.00 4.00 20.00 1.10 4.00 30.00 20.00 1.10 4.00 30.00 22.00 8.00 1.525.00	Closed Date Ran Top A 0.00 4.458.00 4.466.00 4.486.00 4.487.10 4.491.10 Date Ran Top At 0.00 14.00 36.00 44.00	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27/2005 81m At 458.00 462.00 466.00 467.10 521.10 7/2005 521.10 7/2005 31m At 14.00 36.00 36.00
.000		Comments / Con 4470' -4487': ball sealers 4498' -4522': Perforations Top Bot 4.470.00 4.4 4.478.00 4.4 4.478.00 4.4 4.498.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 4.509.00 4.5 7.00 4.5 7.0	Acidi Acidi ttom 73.00 82.00 87.00 87.00 87.00 15.00 22.00 15.00 22.00 15.00 11 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	zed w/ 30 zed w/ 10 Form San Andres San Andres San Andres San Andres San Andres San Andres San Andres San Andres San Andres San Andres Z.3750 2.37500 2.37500 2.37500 2.37500 2.37500 2.37500 2.37500 2.37500 2.375000000000000000000000000000000000000	000 gals	Unisol Status A A A A A A Grade J55	Oponod 4/25/1967 4/25/1967 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 5/20/1964 0/2000 4.00 20.00 1.10 4.00 30.00 Length 14.00 22.00 8.00	Closed Dato Ran Top A 0.00 4.458.00 4.466.00 4.466.00 4.486.00 4.486.00 4.487.10 4.491.10 Dato Ran Top At 0.00 14.00 36.00	#/F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27/2000 BIm Al 458.00 462.00 486.00 487.10 486.10 521.10 5

P&A – San Andres

Coastal States Oil & Gas Company Flying M San Andres Unit #4 API # 30-025-21700 1904' FNL x 846' FEL, UL 'H', Sec 21, T9S, R33E, Lea County, NM



San Andres Producer

Southwest Royalties, Inc.

Flying M San Andres Unit #171

API # 30-025-20642

2307' FSL x 2310' FEL, UL "J", Section 21, T9S, R33E, Lea County, NM

1.000		2310 FEL County, St. Aux ID: 'KB' correc Hole Size Diameter 12.2500 6.7500	ate: Lea, i lion: 8; All r] Top	NM Depths Corr		L Elev: 4	.355.50	PI # 30-02 KOP: EOC: Fill Depth:	
1,000		Aux ID: 'K8' correc Hote Size Diameter 12.2500	lion: 8; All		To:			Fill Depth:	
1.000		Aux ID: 'K8' correc Hote Size Diameter 12.2500	lion: 8; All		To:		344	Fill Depth:	
1.000		Aux ID: 'K8' correc Hote Size Diameter 12.2500	lion: 8; All		To:			A part in and table at a second of	1
1.000		'K8' correc Hote Size Diameter 12.2500	r Top	Depths Corr	To:			DDTD	
1.000		Hole Size Diameter 12.2500	r Top	Depths Con	· To:			PBTD:	
1.000		Diameter 12.2500						TD:	4,535
1.000		Diameter 12.2500						BOP:	
1.000		Diameter 12.2500						- COT	
1.000		12.2500		At Dim	AL 0.		a		
1.000		the second se	0	At Btm 00 378		te Drilled			
1.000		0.7000			the second se	5/12/1964			
1.000			370.	4,555	.00	5/12/1964	1		
		Surface Ca	sing					0	
	1 10 11	Description		# Diamoto	r Weight	Grade	1 1		1: 5/12/19
		Casing	1:						the second s
					1 24.00	555	376.00	8.0	0 384.
		Production	Casing S	tring 1				Date Ran	
		Description		# Diamete	r Woight	Grado	Longth		
		Casing	145					8.0	
1		Cement						0.0	0 4,543.0
		Top At	Btm At	IDT	OD IT				
		0.00	the second s	the second se	OD T	DC Por	# - Type	the second se	iss Wt.
		Lead: 2% C	and the second se	8.625	12.250	Circ	10 - Lead	225 CI	ass A
			4,535.00	1 4 500	0.700				
2000		5.500.001	4,555.00	4.500	6.750		20 - Lead	200 1:1P	zimzo
2000		Lead: 2% S	alte Talle 7	19/ C-11			21 - Tail	100 Cl	ass C
		CCa0, 276 3	ban, ran: 2	7. San					
		Perforation		dized w/ 1	000 gais	BDA		11 J 11 -	1
		Top	Bottom	For	nation	Statue	Opened		In case and and a
		4.464.00	4,476.00		iunon .	Giatus	12/18/1992	Closed	#/Ft Ttl #
3,000 -		4,476.00	4,481.00			-	4/30/1967		2
		4.481.00	4,486.00	transmission of the local division of the lo			12/18/1992		1
		4,486.00	4,488.00	_			the second se		2
1 1		4,488.00	4,492.00			+	4/30/1967		1
		4,498.00	4,506.00				12/18/1992		2
		4.508.00	4.515.00				4/30/1967		1
		4.518.00	4,515.00			+	5/12/1964		2
			1,030.00			1	12/18/1992		2
1 11	1	Tubing Strin	ng 1					Data Dans	12/10/100
	14 - M	Description		# Diameter	Weight	Grade	Length		12/18/1992
1 11		Seat Nipple		1 2.3750		S. Sue	4,501.00	Top At	
		Perf Nipple		1 2.3750	_		1.10	8.00	4.509.00
000		Mud Anchor		1 2.3750			31.00	4.509.00	4,510.10
				1 210700			51.00	4.510.10	4,541.10
		Rod String 1			1.1.1.1		11.1.57	Dato Ran:	12/18/1993
1 11		Description			Rod Box	Grade	Length	Top At	Btm At
		Polish Rod L	the second se	1 1.5000			10.00	0.00	10.00
		Polish Rod		1 1.2500			16.00	10.00	26.00
		Rods	6				1,650.00	26.00	1.676.00
	and the second se	Rods	11:	2 0.7500			2,800.00	1,676.00	4.476.00
		Pump		1.5000			16.00	4,476.00	4.478.00
		Gas Anchor		1.0000		-+	6.00	4,492.00	
		and the set of the	1000	-			0.00	4,402.00	4.498.00

### P&A - San Andres

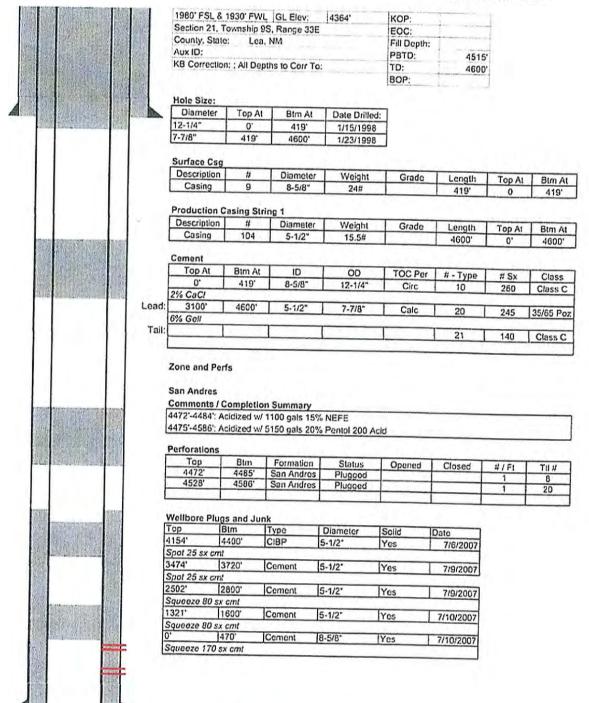
### Southwest Royalties, Inc. Flying M San Andres Unit #5

### API # 30-025-34233

1980' FSL x 1930' FWL, UL "K", Section 21, T9S, R33E, Lea County, NM

Flying M SA Unit # 5

API # 30-025-34233





San Andres Producer

### Southwest Royalties, Inc.

### Flying M San Andres Unit #172

### API # 30-025-20643

# 1979' FSL x 664' FWL, UL "L", Section 21, T9S, R33E, Lea County, NM

Flying M SA L	Jnit # # 17 - 2			Well ID	: 101865	-021	A	PI # 30-0	25-20643
0,	· · · · · · · · · · · · · · · · · · ·	1979' FSL 664	FWL			L Elev: 4		KOP:	10-100-10
		Section 21, Tow	inship 95	. Range 3	3E	202/01011		EOC:	-
		County, State: 1		a second s			1000	Fill Depth:	
		Aux ID:	-					I	
		'KB' correction:		the Corr T				PBTD:	
	1 1 10 1 1	The concentration.	. An Dep	uns con 1	0.			TD:	4,544.0
								BOP:	1.
-		Hole Size		_					
		Diameter	Top At			to Drilled			
		12.2500	0.00	265.		5/23/1964			
	1 1 11 1 1	1.6750	265.00	4,544.	00	6/2/1964	1		
1.000		Surface Casing						Date Ra	n: 5/23/19
		Description	#	Diameter	Weight	Grade	Lengt		Contract of the local division of the local
		Casing		8.6250			263.0		the second s
1		Production Cas	lan Cul					C 2 1 2 2 2 2	
		Description		Diameter	Weight	Conto		Date Ra	
1		Casing	138	4.5000			Lengt		
			1.00	4.0000	10.30	J55	4.544.0	0 0.1	4,544.0
1		Top At Btr	n At	10 1	00 1-				Section 2
0.1.			63.00	1 D 8.625	0D T	OC Por	# - Type	the second se	ass Wt.
-		Lead: 2% CaCi	00.001	0.025	12.250	Circ	10 - Lead	175 C	lass A
			44.00	4.500	7.875	Calel	20 - Load	100	
000 -					norol		21 - Tail	the second day of the second day is not the second day of the seco	lass C
		Lead: 2% CaCl						2001 1:11	ozmix
		Zone and Porfs							
1		San Andros Comments / Coi 4475'-4494'; Perforations	mpletion Acidiz	Summar	y 000 gals	BDA	_		
		Comments / Con 4475'-4494': Perforations	Acidiz	ed w/ 10	000 gals				
		Comments / Con 4475'-4494': Perforations Top Bo	Acidiz	ed w/ 10	000 gals	Status	the second s		
		Comments / Con 4475'-4494': Perforations Top Bo	Acidiz	ed w/ 10	000 gals		Opened 5/23/196-		# / F1 T11 #
000		Comments / Cor 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1	Acidiz Itom 194.00 S	Form Form an Andres	000 gals nation	Status A	the second s	1	2
200		Comments / Cor 4475'-4494': Perforations Top Bot 4,475.00 4,4 Tubing String 1 Description	Acidiz Ilom 194.00 S	Form Form an Andres	000 gals nation Wolght	Status A	the second s	1 Date Ran	2
200		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing	Acidiz 10m 194.00 S # 142	Form an Andres Dlameter 2.3750	000 gals nation Wolght 4.70	Status A	5/23/1964	1	2 : 8/29/198: t Btm A
œ		Comments / Cor 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple	Acidiz 10m 194.00 S 142 1	Eed w/ 10 Form an Andres Diameter 2.3750 2.3750	000 gals nation Wolght 4.70	Status A	5/23/196- Longth 4,403.00 1.10	Date Ran Top A	2 : 8/29/198: Btm A 4,403.00
		Comments / Con 4475'-4494'; Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple	Acidiz 10m 194.00 S 142 1 1	ed w/ 10 Form an Andres Diameter 2.3750 2.3750 2.3750	Wolght	Status A	5/23/196- Longth 4,403.00 1.10 4.00	1 Date Ran Top A 0.00 4.403.00 4.404.10	2 8/29/1983 Bim Ai 4,403.00 4,404.10 4,408.10
		Comments / Cor 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple	Acidiz 10m 194.00 S 142 1	Eed w/ 10 Form an Andres Diameter 2.3750 2.3750	Wolght	Status A	5/23/196- Longth 4,403.00 1.10	1 Date Ran Top A 0.00 4,403.00	2 8/29/198: Btm A 4,403.00 4,404.10 4,408.10
20 -		Comments / Con 4475'-4494'; Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple	Acidiz 10m 994.00 S 142 1 1 1	ed w/ 10 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750	Wolght	Status A	5/23/196- Longth 4,403.00 1.10 4.00	4 Date Ran 0.00 4,403.00 4,404.10 4,408.10	2 8/29/198: 8tm A 4.403.00 4.404.10 4.408.10 4.438.10
20 -		Comments / Con 4475'-4494'; Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description	Acidiz 10m 994.00 S 142 1 1 1	ed w/ 10 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750	Wolght	Status A	5/23/196- Longth 4,403.00 1.10 4.00 30.00	1 Date Ran Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ran	2 8/29/1983 Bim Ai 4,403.00 4,404.10 4,408.10 4,438.10 1/8/2009
		Comments / Con 4475'-4494'; Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Pert Nipple Mud Anchor Rod String 1 Description Polish Rod Line	Acidiz 10m 994.00 S 142 1 1 1	ed w/ 10 Form an Andres Diameter 2.3750 2.3750 2.3750	Noight 4.70	Grade	5/23/196- Longth 4,403.00 1.10 4.00	1 Date Ran Top A 0.00 4,403.00 4,403.10 4,408.10 Date Ran Top A	2 8/29/1983 Btm Al 4,403.00 4,404.10 4,408.10 4,438.10 1/8/2009 Btm Al
		Comments / Con 4475'-4494'; Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Mud Anchor Rod String 1 Description Polish Rod Line Polish Rod	Acidiz 10m 994.00 S 142 1 1 1 1 1 1	Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750	Not Box	Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 Length	Date Ran Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ran Top A 0.00	2 8/29/1983 Btm Al 4,403.00 4,404.10 4,408.10 4,408.10 4,438.10 1/8/2009 Btm Al 10.00
Σ.		Comments / Con 4475'-4494'; Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Mud Anchor Rod String 1 Description Polish Rod Line Polish Rod Pony Rods	Acidiz ttom 994.00 S # 142 1 1 1 1 1 1 1 1	ed w/ 10 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 0.3750 0.3750 0.3750 0.3750 0.3750 0.3750 0.3750	Rod Box	Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 Length 10.00	1 Date Ran Top A 0.00 4,403.00 4,403.10 4,408.10 Date Ran Top A	2 <i>8/29/198</i> : Bim Ai 4,403.00 4,404.10 4,408.10 4,408.10 <i>4,408.10</i> <i>1/8/2009</i> Bim Ai 10.00 32.00
		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Line Polish Rod Pony Rods Rods	Acidiz ttom 994.00 S 142 1 1 1 1 1 1 1 1 51	ed w/ 11 Form an Andres 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.3750 0.3750 0.8750 0.8750	Not gals	Status A Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 Length 10.00 22.00 2.00 1.275.00	Date Ran Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ran Top A 0.00 10.00	2 <i>8/29/198</i> : <i>Bim</i> Al 4.403.00 4.403.00 4.408.10 4.408.10 <i>4.408.10</i> <i>4.438.10</i> <i>1/B/2009</i> <i>Bim</i> Al 10.00 32.00 34.00
		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Polish Rod Pony Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 51 1	ed w/ 11 Form an Andress 2.3750 2.3750 2.3750 2.3750 2.3750 0.3750 0.8750 0.8750 0.7500	Not gals	Grade Grade	5/23/196- Longth 4.403.00 1.10 4.00 30.00 Length 10.00 22.00 2.00	Date Ran Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ran Top A 0.00 10.00 32.00	2 8/29/198: Bim Ai 9 4,403.00 1 4,403.10 4,408.10 4,408.10 4,438.10 1/8/2009 Bim Ai 9 Bim Ai 10.00 32.00 34.00 1,309.00
		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Archor Polish Rod Line Polish Rod Pony Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 51 1 122	ed w/ 11 Form an Andress Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.87500 0.7500	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 Length 10.00 22.00 2.00 1.275.00 25.00 3.050.00	Date Ran Top A 0.00 4,403.00 4,403.00 4,403.00 4,408.10 Date Ran Top A 0.00 10.00 32.00 34.00	2 8/29/1983 Bim Ai 4,403.00 4,404.10 4,408.10 4,408.10 4,408.10 5 1/8/2009 Bim Ai 10.00 32.00 34.00 1.334.00
		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 11 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.8750 0.7500 0.7500 1.5000	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 22.00 2.00 1.275.00 2.5.00 3.050.00 16.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top Al 0.00 32.00 32.00 34.00 1.309.00 1.334.00 4.384.00	<ul> <li>8/29/1983</li> <li>Btrn Al</li> <li>Btrn Al</li> <li>4,403.00</li> <li>4,404.10</li> <li>4,408.10</li> <li>4,408.10</li> <li>4,408.10</li> <li>1/8/2009</li> <li>Btrn Al</li> <li>10.00</li> <li>32.00</li> <li>34.00</li> <li>1.334.00</li> <li>4,304.00</li> <li>4,400.00</li> </ul>
3,000 -		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Archor Polish Rod Line Polish Rod Pony Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 51 1 122	ed w/ 11 Form an Andress Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.87500 0.7500	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 Length 10.00 22.00 2.00 1.275.00 25.00 3.050.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top A 0.00 10.00 32.00 34.00 1,309.00 1,334.00	2 8/29/1983 Bim Ai 4,403.00 4,404.10 4,408.10 4,408.10 4,408.10 1/8/2009 Bim Ai 10.00 32.00 34.00 1,334.00 4,384.00
		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 11 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.8750 0.7500 0.7500 1.5000	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 22.00 2.00 1.275.00 2.5.00 3.050.00 16.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top Al 0.00 32.00 32.00 34.00 1.309.00 1.334.00 4.384.00	2 8/29/1983 Bim Ai 4,403.00 4,404.10 4,408.10 4,408.10 4,438.10 1/8/2009 Bim Ai 10,00 32.00 334.00 1,309.00 1,334.00 4,384.00 4,384.00
	8	Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 11 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.8750 0.7500 0.7500 1.5000	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 22.00 2.00 1.275.00 2.5.00 3.050.00 16.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top Al 0.00 32.00 32.00 34.00 1.309.00 1.334.00 4.384.00	2 8/29/1983 Bim Ai 4,403.00 4,404.10 4,408.10 4,408.10 4,438.10 1/8/2009 Bim Ai 10,00 32.00 334.00 1,309.00 1,334.00 4,384.00 4,384.00
	8 8	Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 11 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.8750 0.7500 0.7500 1.5000	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 22.00 2.00 1.275.00 2.5.00 3.050.00 16.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top Al 0.00 32.00 32.00 34.00 1.309.00 1.334.00 4.384.00	2 8/29/198: Blm Al 4,403.00 4,404.10 4,408.10 4,408.10 4,408.10 1,4/2809 Blm Al 10.00 32.00 32.00 1.339.00 1.334.00 4,384.00 4,384.00
		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 11 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.8750 0.7500 0.7500 1.5000	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 22.00 2.00 1.275.00 2.5.00 3.050.00 16.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top Al 0.00 32.00 32.00 34.00 1.309.00 1.334.00 4.384.00	2 8/29/198: Blm Al 4,403.00 4,404.10 4,408.10 4,408.10 4,408.10 1,4/2809 Blm Al 10.00 32.00 32.00 1.339.00 1.334.00 4,384.00 4,384.00
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xxx -		Comments / Con 4475'-4494': Perforations Top Boi 4,475.00 4,4 Tubing String 1 Description Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods Rods Rods	Acidiz Itom 994.00 S 142 1 1 1 1 1 1 1 1 1 1 1 1 1	ed w/ 11 Form an Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.37500 0.8750 0.7500 0.7500 1.5000	Not gals	Grade Grade	5/23/196- Longth 4,403.00 1.10 4.00 30.00 22.00 2.00 1.275.00 2.5.00 3.050.00 16.00	Date Ram Top A 0.00 4,403.00 4,404.10 4,408.10 Date Ram Top Al 0.00 32.00 32.00 34.00 1.309.00 1.334.00 4.384.00	2 8/29/1983 Blm Al 4,403.00 4,404.10 4,408.10 4,408.10 4,408.10 1,4/2809 Blm Al 10.00 32.00 32.00 1,309.00 1,334.00 4,384.00 4,384.00
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San Andres Injector

## Southwest Royalties, Inc.

# Flying M San Andres Unit #152

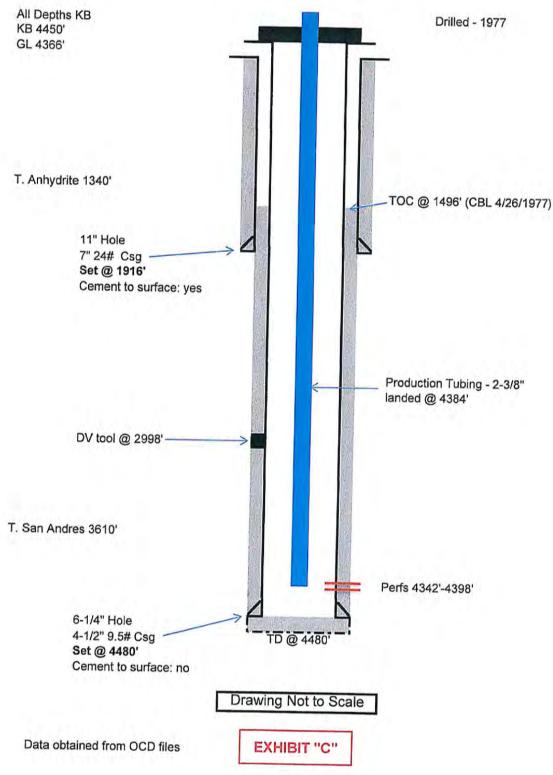
API # 30-025-20631

# 660' FSL x 1985' FWL, UL "N", Section 21, T9S, R33E, Lea County, NM

1					-	wen ib.	101865	-018		API #	30-02	5-20	1631
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			Hole Size Diameter 12.2500	r To	All E		At) Da	te Drilled		TD: BOP			4.570.0
			7.8750	26	5.00			/23/1964					
1,000		11 1	Surface Ca Descriptio			Diamatas	141-1-54				ate Ran:	6,	22/19
	1 11 11	H I	Casing	<u>n</u>	#	Diamotor 8.6250	Weight 24.00	Grade J55			Top At	1	Btm .
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			Description		#		Weight	Grade	1.1	Da	to Ran:		22/19
1			Casing		13	4.5000	9.50	J55			Top At		Btm /
			Casing	_	33	4.5000	10.50	J55			10.00	_	414.0
1			Production	Casina	Stri	nn 2			1	1000		1.1	
			Description	n	#	Diameter	Weight	Grade	Long		te Ran:	10/	
1			Casing		41	3.5000	9.30	1,80	4,361.0		Top At 10.00	-	Btm A
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2,000 -			0.00 3.563.00 0.00 Zone and P	265.0 4,570.0 4,372.0 Perfs / Comple D6': Act	otion	8.625 1 4.500 3.500	7.875 4.000	Circ Log Circ	10 20	200 300		A	
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			0.00 3.563.00 0.00 Zone and P San Andres Comments 4497'-450 Perforation Top 4,468.00	265.0 4,570.0 4,372.0 Perfs / Comple 06': AC 8 Bottom 4,470.0	otion idia	8.625 4.500 3.500 Summary ccd w/ 10 Form. an Andres	12.250 7.875 4.000 00 gals	Circ Log Circ	10 20 30	200 300 320		A C C	
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			0.00 3.563.00 0.00 Zone and P San Andres Comments 4497'-450 Perforation: Top 4.468.00 4.474.00 4.479.00	265.0 4,570.0 4,372.0 Parfs 5 / Comple 56' : AC 8 Bottom 4,470.0 4,477.0 4,486.0	otion idi2	8.625 4.500 3.500 Summary ed w/ 10 Form. an Andres an Andres	12.250 7.875 4.000 00 gals	Circ Log Circ BDA Status A A A A	0 20 30 10/12/196 10/12/196 10/12/196	200 300 320 7 7 7		A C C / Ft 2 2 2	TU # 5 7 15
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			0.00 3.563.00 0.00 Zone and P San Andres Comments 4497'-450 Perforation: Top 4.468.00 4.474.00 4.474.00 4.479.00 4.488.00 4.492.00 4.497.00 Tubing Strin Tubing	265.0 4,570.0 4,372.0 7erfs 5 7 Comple 06': AC 8 Bottom 4,470.0 4,470.0 4,488.0 4,472.0 4,488.0 4,492.0 4,506.0 mg 1	otion idi2 n 500 S 00 S 00 S 00 S 00 S 00 S 00 S 00	8.625 4.500 3.500 3.500 5.5000 5.50000 5.5000 5.5000 5.50000 5.50000 5.50000 5.50000 5.50000 5.50000 5.500000000	2.250 7.875 4.000 00 gals ation Wolght 4.70	Circ Log Circ BDA Status A A A A A A A Grade J55	10 20 30 10/12/196 10/12/196 10/12/196 10/12/196 10/12/196 10/12/196 10/12/196	200 300 320 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 Ran: 00 At 10.00	A C C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Til # 5 7 15 2 2 2 2 19 7/2011 1 Itm Att 42.50
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3,000			0.00 3.563.00 0.00 Zone and P San Andres Comments 4497'-450 Perforation: Top 4,468.00 4,474.00 4,474.00 4,479.00 4,488.00 4,492.00 4,492.00 4,497.00 Tubing Strin Tubing Tubing	265.0 4,570.0 4,372.0 7erfs 5 7 Comple 06': AC 8 Bottom 4,470.0 4,470.0 4,488.0 4,472.0 4,488.0 4,492.0 4,506.0 mg 1	otion idi2 n 500 S 00 S 00 S 00 S 00 S 00 S 00 S 00	8.625 4.500 3.500 3.500 5.5000 5.50000 5.5000 5.5000 5.50000 5.50000 5.50000 5.50000 5.50000 5.50000 5.500000000	2.250 7.875 4.000 00 gals ation Wolght 4.70	Circ Log Circ BDA Status A A A A A A A Grade J55	10 20 30 10/12/196 10/12/196 10/12/196 10/12/196 10/12/196 10/12/196 10/12/196	200 300 320 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 Ran: 00 At 10.00	A C C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

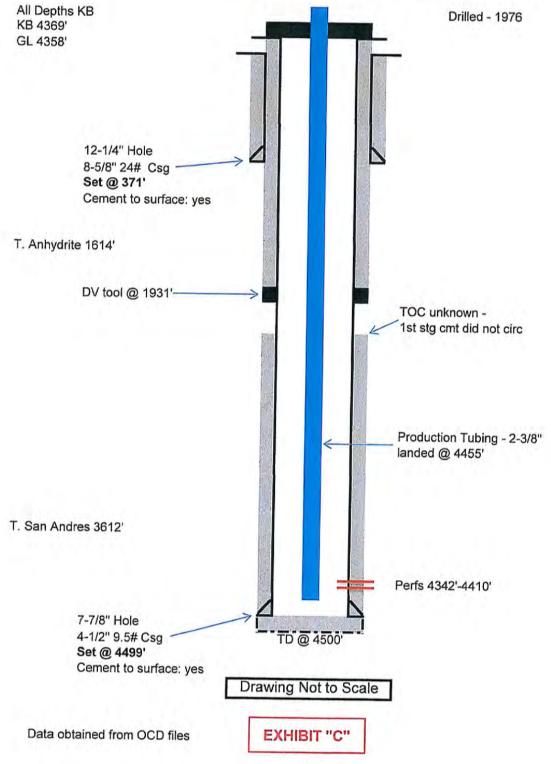
OFFSET WELL WELLBORE DIAGRAM

Active San Andres Producer Sundown Energy, LP Flying M State #2 API # 30-025-25497 500' FSL x 710' FWL, UL 'M', Sec 20, T9S, R33E, Lea County, NM



OFFSET WELL WELLBORE DIAGRAM

### Active San Andres Producer Sundown Energy, LP Flying M State #1 API # 30-025-25317 500' FSL x 1980' FWL, UL 'N', Sec 20, T9S, R33E, Lea County, NM



San Andres Producer

Southwest Royalties, Inc.

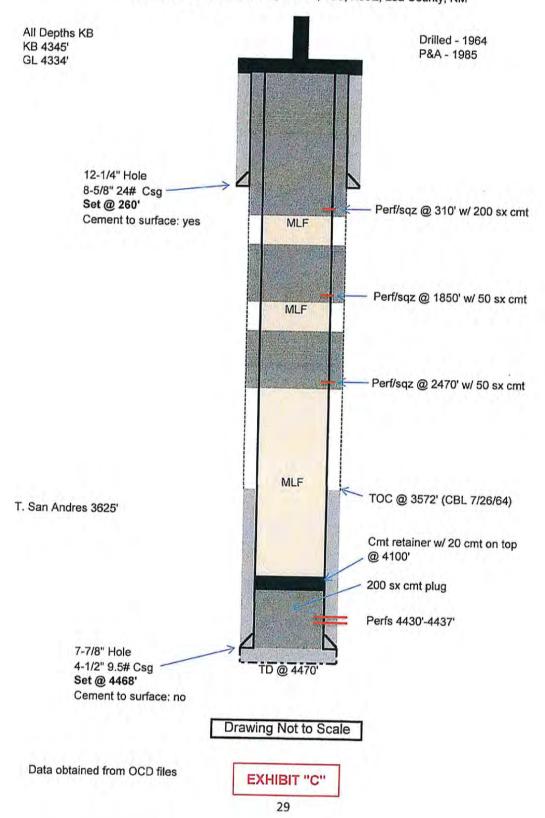
### Flying M San Andres Unit #145

API # 30-025-24777

# 660' FSL x 1991' FEL, UL "O", Section 20, T9S, R33E, Lea County, NM

Flying M SA I	Unit # # 14 -	5			Well ID	): 101865	-016	A	PI # 30-02	5-24777
0,	1.000		660' FSL 1	991' FEL		G	L Elev: 14,		KOP:	
			Section 20,	Township	95, Ronge		an a second a second		EOC:	
			County, Sla	the second se	contrast the substance. I while a	and a second			Automation and a	
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-			NB correct	ion: ; All (	Depths Corr	TO:			TD:	4,459.
			10.000						BOP:	
			Holo Sizo							
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1			7.8750	356.	00 4.459	.00	7/1/1974			
1.000		1	121.12 CE					,		
1,000			Surface Ca				1	-	Date Ran	: 7/1/19
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			Description		# Diamete	Walate	Canda		Date Ran	
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			2% CaCl3	1 150 00	1 1 000	n onel				
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1			San Andros			(1) (ii) (iii)				
			Commonts	Complet	lon Summa	ry			1.1.1.	
			Commonts 43655'-44	Complet	lon Summa 00 ga1 283	ry Acid, 3	000 gals	5 15% Aci	d, 4500 ga	15 3%
			Commonts 43655'-44 Acid	/ Complet 30': 15	lon Summa 00 ga1 289	ry Acid, 3	000 gals	5 15% Aci	d, 4500 ga	1s 3%
			Commonts 43655'-44 Acid Perforations	/ Complet 30': 15	00 gal 289	Acid, 3		5 15% Aci	d, 4500 ga	1s 3%
			Comments 43655'-44 Acid Perforations Top	/ Complet 30': 15 s Bottom	00 gal 289	Acid, 3	000 gals	Opened	Closod	_
			Comments 43655'-44 Acid Perforations Top 4,365.00	/ Complet 30': 15 s Bottom 4,368.00	50 gal 283 For	Acid, 3 matlon s			Closod	# / Ft Ttl #
			Comments 43655'-44 Acid Perforation Top 4.365.00 4.370.00	/ Complet 30': 15 8 Bottom 4,368.00 4,380.00	50 ga1 283 For San Andre San Andre	Acid, 3 matlon s	Status	Opened	Closod	# / Ft Ttl #
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3,000			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,370.00 4,383.00 4,391.00	/ Complet 30': 15 8 Bottom 4,368.00 4,380.00 4,387.00 4,395.00	Fon San Andre San Andre San Andre San Andre San Andre	Acid, 3 matlon s s s s	Status A A	Opened 7/29/1974 7/29/1974	Closod	#/Ft Ttl # 1 4 1 11 1 5
3,000			Commonts 43655'-44 Acid Perforations Top 4.365.00 4.370.00 4.383.00 4.391.00 4.398.00	/ Complet 30': 15 8 Bottom 4,368.00 4,380.00 4,387.00 4,395.00 4,402.00	Fon San Andre San Andre San Andre San Andre San Andre San Andre	Acid, 3 matlon s s s s s	Status A A A A A	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/	Closod	#/Ft Ttl # 1 4 1 11 1 5 1 5
.000			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,365.00 4,370.00 4,383.00 4,391.00 4,398.00 4,417.00	/ Complet 30': 15 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Fon San Andre San Andre San Andre San Andre San Andre San Andre San Andre	Acid, 3 mation s s s s s s	Status A A A A	Opened 7/29/1974 7/29/1974 7/29/1974 7/29/1974	Closod	# / Ft Ttl # 1 1 1 1 1 5 1 5 1 6
,000			Commonts 43655'-44 Acid Perforations Top 4.365.00 4.370.00 4.383.00 4.391.00 4.398.00	/ Complet 30': 15 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Fon San Andre San Andre San Andre San Andre San Andre San Andre	Acid, 3 mation s s s s s s	Status A A A A A	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/	Closod	# / Ft Ttl # 1 1 1 1 5 1 5 1 6 1 6
3,000			Commonts 43655'-44 Acid Perforations Top 4.365.00 4.370.00 4.383.00 4.391.00 4.398.00 4.398.00 4.417.00 4.424.00	/ Completi 30': 15 Bottom 4,368.00 4,380.00 4,387.00 4,387.00 4,395.00 4,402.00 4,420.00 4,430.00	Fon San Andre San Andre San Andre San Andre San Andre San Andre San Andre	Acid, 3 mation s s s s s s	Status A A A A A A	Opened 7/29/1974 7/29/1974 7/29/1974 7/29/1974 7/29/1974 7/29/1974	Closod 4 4 4	# / Ft Ttl # 1 4 1 11 1 5 1 5 1 6 1 4 1 7
,000			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,370.00 4,370.00 4,383.00 4,391.00 4,398.00 4,417.00 4,424.00 Tubing Strin	/ Completi 30': 15 Bottom 4,368.00 4,380.00 4,387.00 4,387.00 4,395.00 4,402.00 4,420.00 4,430.00	Fon San Andre San Andre San Andre San Andre San Andre San Andre San Andre	Acid, 3 matlon s s s s s s s s	Status A A A A A A A A	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/	Closod	# / Ft Ttl # 1 1 4 1 11 1 5 1 5 1 6 1 4 1 7 8/17/2007
,			Commonts 43655'-44 Acid Perforations Top 4.365.00 4.370.00 4.383.00 4.391.00 4.398.00 4.417.00 4.424.00 Tubing Strin Description	/ Completion 30': 15 8 Bottom 4,368.00 4,387.00 4,387.00 4,495.00 4,490.00 4,420.00 4,420.00 4,420.00 4,430.00	Fon San Andre San Andre San Andre San Andre San Andre San Andre San Andre San Andre	f Acid, 3 mallon 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/	Closod	# / Ft Ttl # 1 4 1 1 1 5 1 6 1 6 1 4 1 7 8/17/2003 Btm A
			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,363.00 4,391.00 4,398.00 4,417.00 4,424.00 Tubing Strin Description Tubing	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,395.00 4,395.00 4,402.00 4,420.00 4,420.00 4,420.00 4,420.00 4,420.00 1,420.00 4,400.00 4,40	Fon San Andre San Andre San Andre San Andre San Andre San Andre San Andre San Andre San Andre San Andre	Acid, 3 matlon s s s s s r Weight 0 4.70	Status A A A A A A A A	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 1/29/197/ 4.376.00	Closod	# / Ft Ttl # 1 1 1 5 1 5 1 6 1 4 1 7 8/17/2001 Btm Al
.000			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,365.00 4,370.00 4,383.00 4,391.00 4,398.00 4,417.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Tubing Anch	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,395.00 4,395.00 4,402.00 4,420.00 4,420.00 4,420.00 4,420.00 4,420.00 1,420.00 4,400.00 4,40	Fon San Andre San Andre Sa	f Acid, 3 mallon s s s s s r Weight 0 4.70	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 4.376.00 4.00	Closod 1 1 1 1 1 1 1 1 1 1 1 1 1	# / Ft Ttl # 1 4 1 1 1 5 1 5 1 6 1 4 1 7 8/17/2003 Btm A 4,376.00 4,380.00
,000			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,370.00 4,383.00 4,391.00 4,417.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Tubing Anch Tubing	/ Completi 30': 15 Bottom 4,368.00 4,368.00 4,380.00 4,385.00 4,387.00 4,420.00 4,420.00 4,420.00 4,420.00 1,420.00	Fon San Andre San Andre Sa	f Acid, 3 matlon s s s s s s r Weight 0 4.70 0	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 4,376.00 4.00 30.00	Closod 4 5 6 7 7 7 7 0 4 3 7 0 0 4 3 7 0 0 4 3 7 0 0 4 3 7 0 0 0 0 0 0 0 0 0 0 0 0 0	# / Ft Ttl # 1 4 1 1 1 5 1 5 1 6 1 4 1 7 8/17/2003 Btm A 4,376.00 4,410.00
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			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,370.00 4,370.00 4,383.00 4,391.00 4,398.00 4,391.00 4,398.00 4,398.00 4,417.00 4,424.00 Tubing Stuin Tubing Tubing Seat Nipple Perf Nipple	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,387.00 4,395.00 4,402.00 4,402.00 4,420.00 4,420.00 1,420.00	Fon           San Andre           1           2           2           2           3           1           2           3           1           2           3	f Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 4.376.00 4.00 30.00 1.10 4.00	Closod 4 4 4 5 5 5 6 6 6 6 7 5 7 6 7 6 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7	# / Ft Ttl # 1 4 1 1 1 5 1 6 1 6 1 6 1 7 8/17/2007 Btm A 4.376.00 4.380.00 4.410.00 4.411.10
			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,370.00 4,398.00 4,398.00 4,417.00 4,424.00 Tubing Stuh Tubing Stuh Tubing Seat Nipple	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,387.00 4,395.00 4,402.00 4,402.00 4,420.00 4,420.00 1,420.00	Fon San Andre San San San San San San San San San San	f Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 4.376.00 4.00 30.00 1.10	Closod 4 3 5 5 5 5 6 6 7 5 7 5 7 5 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7	# / Ft Ttl # 1 1 1 1 2 1 5 1 5 1 5 8/17/200 Btm A 4.376.00 4.410.00 4.411.10 4.415.10
			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,370.00 4,370.00 4,383.00 4,391.00 4,398.00 4,398.00 4,398.00 4,417.00 4,424.00 Tubing Stuin Tubing Tubing Seat Nipple Perf Nipple	/ Completi 30': 15 Bottom 4,368.00 4,380.00 4,387.00 4,387.00 4,395.00 4,402.00 4,420.00 4,420.00 4,420.00 4,420.00 1,420.00 4,420.00 4,420.00 1,420.00 4,400.00 4,40	Fon           San Andre           1           2	f Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 4.376.00 4.00 30.00 1.10 4.00	Closod Dato Ran: Top Al 0.00 4.376.00 4.380.00 4.410.00 4.411.10 4.415.10	# / Ft Ttl # 1 1 1 1 5 1 5 1 6 1 6 1 7 8/17/200 Btm A 4,376.00 4,380.00 4,410.00 4,411.10 4,415.10 4,445.10
			Commonts 43655'-44 Acid Perforation: Top 4,365.00 4,365.00 4,365.00 4,365.00 4,383.00 4,391.00 4,398.00 4,417.00 4,424.00 Tubing Stute Description Tubing Tubing Anch Tubing Seat Nipple Perf Nipple Mud Anchor	/ Completi 30': 15 Bottom 4,368.00 4,380.00 4,387.00 4,387.00 4,395.00 4,402.00 4,420.00 4,420.00 4,420.00 4,420.00 1,420.00 4,420.00 4,420.00 1,420.00 4,400.00 4,40	Fon           San Andre           Zarss           1           2.3750           1           2.3750           1           2.3750	f Acid, 3 matlon s s s s s s s s s s s s s s s s s s s	Status A A A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 30/00 4.00 30.00 1.10 4.00 30.00	Closod Dato Ran: Top Al 0.00 4.376.00 4.380.00 4.410.00 4.411.10 4.415.10 Date Ran:	# / Ft Ttl # 1 1 1 1 2 1 5 1 6 1 6 1 7 8/17/2007 Btm A 4.376.00 4.410.00 4.410.00 4.415.10 4.445.10 8/17/2007
			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,365.00 4,365.00 4,391.00 4,391.00 4,398.00 4,417.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Tubing Anch Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1	/ Completi 30': 15 Bottom 4,368.00 4,380.00 4,400.00	Fon           San Andre           1           2.3750           2           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750	Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 4.376.00 4.00 30.00 1.10 4.00 30.00 Length	Closod Closod Dato Ran: Top Al 0.00 4.376.00 4.380.00 4.410.00 4.411.10 4.415.10 Dato Ran: Top Al	# / Ft Ttl # 1 4 1 1 1 5 1 5 1 6 1 4 1 7 8/17/2007 Btm A 4.376.00 4.410.00 4.410.00 4.415.10 4.445.10 8/17/2007 Btm At
			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,370.00 4,370.00 4,383.00 4,391.00 4,398.00 4,398.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Seat Nipple Mud Anchor Rod String 1 Description	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,387.00 4,387.00 4,387.00 4,387.00 4,395.00 4,402.00 4,420.00 4,400.00 4,40	Fon           San Andre           1           2           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750           1           2.3750	Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 0.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00	Closod Closod Dato Ran: Top Al 0.00 4.376.00 4.380.00 4.410.00 4.411.10 4.415.10 Date Ran: Top At 0.00	# / Ft Ttl # 1 1 1 1 5 1 5 1 6 1 6 1 6 1 6 1 7 8/17/2007 Btm At 4.376.00 4.410.00 4.410.00 4.411.10 4.415.10 8/17/2007 Btm At 10.00
			Commonts 43655'-44 Acid Perforation Top 4,365.00 4,365.00 4,370.00 4,383.00 4,391.00 4,398.00 4,398.00 4,398.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Seat Nipple Mud Anchor Rod String 1 Description Polish Rod L	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,387.00 4,387.00 4,387.00 4,387.00 4,380.00 4,402.00 4,400.00 4,40	Fon           San Andre           I 2.3750           1 2.3750           1 2.3750           1 2.3750           1 2.3750           1 2.3750           1 1.5000           1 1.5000	Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 0.00 4.00 30.00 1.10 4.00 30.00 Length 10.00 23.00	Closod Closod Dato Ran: Top Al 0.00 4.376.00 4.376.00 4.410.00 4.411.10 4.415.10 Dato Ran: Top Al 0.00 10.00 10.00	# / Ft Ttl # 1 1 1 1 5 1 5 1 6 1 6 1 4 1 7 8/17/2007 Btm At 4.376.00 4.410.00 4.410.00 4.411.10 4.415.10 8/17/2007 Btm At 10.00 33.00
	••		Commonts 43655'-44 Acid Perforations Top 4,365,00 4,365,00 4,365,00 4,370,00 4,383,00 4,391,00 4,398,00 4,417,00 4,424,00 Tubing Stulu Tubing Anch Tubing Seat Nipple Mud Anchor Rod String 1 Description Polish Rod L Polish Rod Rods	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,387.00 4,387.00 4,380.00 4,380.00 4,420.00 4,40	Fon           San Andre           Zarsti           1           2.3750           1           2.3750           1           2.3750           1           2.3750           1           1           2.3750           1           1           3.3750	Acid, 3 matlon 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 0.00 30.00 1.10 4.00 30.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 1.00 1.00 1.00 1.00 1.00	Closod Closod Dato Ran: Top Al 0.00 4.376.00 4.376.00 4.410.00 4.411.10 4.415.10 Date Ran: Top Al 0.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.4.376.00 0.00 0.4.376.00 0.00	# / Ft Ttl # 1 4 1 1 1 5 1 5 1 6 1 4 1 7 8/17/2007 Btm At 4.376.00 4.410.00 4.410.00 4.415.10 4.445.10 8/17/2007 Btm At 10.00 33.00 51.00
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3,000			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,365.00 4,365.00 4,391.00 4,398.00 4,391.00 4,398.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description Polish Rod L Polish Rod Rods Rods Rods Rods	/ Completi 30': 15 Bottom 4,368.00 4,389.00 4,395.00 4,395.00 4,420.00 5,5 4,420.00 5,5 4,420.00 5,5 4,420.00 5,5 5,5 5,5 5,5 5,5 5,5 5,5 5,5 5,5 5	Fon           San Andre           Zar56           1           2.3750           1           2.3750           1           2.3750           1           1           1.5000           1           1           3           0.7500	Acid, 3 matlon s s s s s s s s s s s s s s s s s s s	Status A A A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 0.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.10 4.00 30.00 1.275.00 3.075.00	Closod Closod Dato Ran: Top Al 0.00 4.376.00 4.380.00 4.410.00 4.411.10 4.415.10 Date Ran: Top At 0.00 10.00 10.00 1326.00	#/Ft Ttl # 1 4 1 11 1 5 1 5 1 6 1 4 1 7 8/17/2007 Btm At 4.376.00 4.380.00 4.410.00 4.415.10 4.445.10 8/17/2007 Btm At 10.00 33.00 51.00 1.326.00 4.401.00
			Commonts 43655'-44 Acid Perforations Top 4,365.00 4,365.00 4,365.00 4,363.00 4,391.00 4,398.00 4,391.00 4,398.00 4,417.00 4,424.00 Tubing Stuin Description Tubing Seat Nipple Mud Anchor Rod String 1 Description Polish Rod L Polish Rod L Polish Rod L Polish Rod L	/ Completi 30': 15 Bottom 4,368.00 4,387.00 4,387.00 4,395.00 4,402.00 4,402.00 4,402.00 4,420.00 4,420.00 1,420.00	Fon           San Andre           Zan Andre           Zan Andre           Zan Andre           Zan San San Andre           Zan San San Andre           Zan San San San San San San San San San S	Acid, 3 mation 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Status A A A A A A A A Grade	Opened 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 7/29/197/ 0.00 4.00 30.00 1.10 1.00 1.00 30.00 1.10 1.00 30.00 1.10 1.00 1.0	Closod Closod Dato Ran: Top Al 0.00 4.376.00 4.360.00 4.360.00 4.410.00 4.411.10 4.415.10 Date Ran: Top At 0.00 0.00 3.3.00 51.00	# / Ft Ttl # 1 4 1 11 1 5 1 5 1 6 1 4 1 7 8/17/2007 Btm At 4.376.00 4.410.00 4.410.00 4.415.10 8/17/2007 Btm At 10.00 33.00 51.00 1.326.00

P&A -San Andres Coastal Oil and Gas Corporation Gonzales Federal #1-29 API # 30-025-20632 660' FNL x 1993' FEL, UL 'B', Sec 29, T9S, R33E, Lea County, NM



San Andres Producer

Southwest Royalties, Inc.

### McGuffin #4

API # 30-025-25266

# 660' FNL x 660' FWL, UL "D", Section 29, T9S, R33E, Lea County, NM

					Well ID	): 10186	9-004		API#	30-025	-25266
0,		660' FNL 8	660' FV	VL			GL Elev: 4	.361.00	KOP		10100
		Section 29	Townsh	nip 95	. Range :	33E	a second to		EOC	farming and the	
		County, St				202			and share had been	Section 1 4 ho	-
		Aux ID:	ALC: ALC:				-	100	A distant inte	opth:	
	38	KB. correc		II Dee	the Com				PBT	D:	4,414
		The contro	1001 M	" Dep	uns com	10:			TD:		4,456
									BOP	: 8	3/8 X 2 3/
4		Hole Size			_						
		Diameter		pp At			ate Drilled				
		12.2500	-	0.00	364.		4/18/1976				
der la la la		1.0/50	30	54.00	4,456.	.00	4/29/1976				
1.000		Surface Ga	sing							te Ran:	4/18/19
		Description	n	#	Diamete	r Weigh	Grade	Long		Top At	Bim
		Casing		11	8.6250			364.		0.00	364.0
		Production	Carles	. Crai		A	1.000			0.00	004.1
		Description			Diamote	r Weigh				to Ran:	4/29/19
		Casing		108	4.5000					Top Al	Blm
		Cement	- 1.		4.0000	3.00		4,456.0		0.00	4,456.0
1		Top At	Btm A	. 1	ID	00 13	00 p. 1		-	-	
		0.00	364.0	_	8.625	OD 1 12.250	OC Per Circ		# Sx	Clas	s Wt.
		3.603.00	4,456.0		4.500	7.875	Calc		250		-
							Carela	20	230		_
2.44			1.1.4								
2.000		Zono and P San Andres Comments 4309'-438 5000 gals	i / Compl 32': Ac 5 3% Ac	idiz	Summar ed w/ 2	7 000 gals	28% Act	id, 3000	gals	15% AC	īd,
2000 -		San Andres Comments 4309'-438 5000 gals Perforation	5 7 Compl 32': AC 5 3% AC 5	idiz id	red w/ 2	000 gals					18,
2000 -		San Andres Comments 4309'-430 5000 gals Perforation Top	i J Compl 32': AC 5 3% AC 5 Botton	idiz id	red w/ 2	000 gals	Status	Opened	Cle		/Ft Tt #
2000-		San Andres Comments 4309'-438 5000 gals Perforation	4,319.0	idiz id n	Forr	nation	Status	Opened 4/29/197	Cla 6		/Ft Ttl #
2000-		San Andres Comments 4309'-430 5000 ga1s Perforation Top 4,309.00	/ Compl 32': Ac 5 3% Ac 8 Botton 4,319.0 4,332.0	n 00 S	Forr Forr an Andres	nation	Status A A	Opened 4/29/197 4/29/197	Clo 6		/ F( T() # 1 11 1 5
		San Andress Comments 4309'-436 5000 gals Perforation 4,309.00 4,324.00 4,334.00 4,342.00	4.332.4 4.336.0 4.354.0	n 00 S 00 S 00 S	Forr an Andres an Andres an Andres an Andres	nation S S	Status A A A	Opened 4/29/197 4/29/197 4/29/197	Cla 6 6		/Ft Ttl# 1 11 1 9 1 3
		San Andress Comments 4309'-430 5000 gals Perforation 4,309.00 4,324.00 4,334.00 4,342.00 4,369.00	4.332.4 4.336.0 4.354.0	n 00 S 00 S 00 S	Forr an Andres an Andres	nation S S	Status A A	Opened 4/29/197 4/29/197 4/29/197 4/29/197	6 6 6		7 Ft Ttl # 1 11 1 5 1 3 1 13
		San Andress Comments 4309'-436 5000 gals Perforation 4,309.00 4,324.00 4,334.00 4,342.00	<ul> <li>/ Compl</li> <li>32': Ac</li> <li>3% Ac</li> <li>8</li> <li>Botton</li> <li>4,319.</li> <li>4,332.</li> <li>4,336.</li> <li>4,354.</li> <li>4,372.</li> </ul>	n 00 S 00 S 00 S 00 S	Forr an Andres an Andres an Andres an Andres	nation s s s s	Status A A A A	Opened 4/29/197 4/29/197 4/29/197	Cia 6 6 6 6		7 Ft Tti # 1 11 1 5 1 3 1 13 1 4
		San Andress Comments 4309'-430 5000 gals Perforation 4,309.00 4,324.00 4,334.00 4,342.00 4,369.00	<ul> <li>/ Compl</li> <li>32': Ac</li> <li>3% Ac</li> <li>8</li> <li>8</li> <li>8</li> <li>4,319.0</li> <li>4,332.0</li> <li>4,336.0</li> <li>4,354.0</li> <li>4,382.0</li> </ul>	n 00 S 00 S 00 S 00 S	Forr an Andres an Andres an Andres an Andres an Andres an Andres	nation s s s s	Status A A A A A	Opened 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197	Cld 6 6 6 6	osed #	/ Ft Ttl # 1 11 1 3 1 3 1 13 1 4 1 9
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		San Andress Comments 4309° -431 5000 ga1s Perforation 4,309,00 4,324,00 4,324,00 4,342,00 4,342,00 4,342,00 4,342,00 4,374,00 Tubing Strin Tubing Tubing Anch	i / Compl 32': Ac 5 3% Ac 8 Botton 4,319.0 4,332.0 4,336.0 4,354.0 4,355.0	idíz id 00 s 00 s 00 s 00 s 00 s 00 s 00 s 00	Forrian Andres an Andres Andres Andres Andres Andres Andres Andres Andres Andres Andres Andres A	nation S S S S S S S S S S S S S S S S S S S	Status A A A A A A	Opened 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 Length	Cid 6 6 6 6 6 7 7	osed #	/ F( Ttl # 1 11 1 5 1 3 1 13 1 13 1 4 1 9 4/30/197( Bim At 4,204.00
		San Andress Comments 4309'-438 5000 ga1s Perforation 4,309.00 4,324.00 4,324.00 4,342.00 4,342.00 4,342.00 4,374.00 Tubing Strin Tubing Anch Tubing Anch	i / Compl 32': Ac 5 3% Ac 8 Botton 4,319.0 4,332.0 4,336.0 4,354.0 4,355.0	idíz id 00 S 00 S 00 S 00 S 00 S 00 S 00 S 00	Form Form an Andres an And	notion s s s s s s s s s s s s s	Status A A A A A A	Opened 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 Length 4,204.00	Cla 6 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	osed #	/ Ft Tul # 1 11 1 5 1 3 1 13 1 4 1 9 4/30/1976 Bim Al 4,204.00 4,207.00
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		San Andress Comments 4309'-43E 5000 ga1s Perforation Top 4,309.00 4,324.00 4,334.00 4,342.00 4,342.00 4,342.00 4,374.00 Tubing Strin Tubing Tubing Anch Tubing Scat Nipple Perf Nipple	i / Compl 32': Ac 5 3% Ac 8 Botton 4,319.0 4,332.0 4,336.0 4,354.0 4,355.0	n 000 S 000 S 000 S 000 S 000 S 000 S 000 S 000 S 134 134 1 6 1 1	Form an Andrea an Andrea an Andrea an Andrea an Andrea an Andrea an Andrea an Andrea an Andrea an Andrea 2,3750 2,3750 2,3750 2,3750 2,3750	NOOD gals	Status A A A A A A	Openad 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 1/20/10 1/20	Cld 6 6 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 Ran: Op At 0,00 04.00 07.00 93.00 94.10	/ F( T() # 1 11 1 2 1 3 1 13 1 4 1 9 4/30/197( Btm At 4,204.00 4,207.00 4,393.00
		San Andress Comments 4309'-438 5000 ga1s Perforation Top 4,309.00 4,324.00 4,324.00 4,342.00 4,342.00 4,369.00 4,374.00 Tubing Strin Tubing Tubing Seat Nipplo	i / Compl 32': Ac 5 3% Ac 8 Botton 4,319.0 4,332.0 4,336.0 4,354.0 4,355.0	n 000 S 000 S 000 S 000 S 000 S 000 S 000 S 134 134 1 6 1	Form an Andres an Andres A	NOOD gals	Status A A A A A A	Opened 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 1,204.00 3.000 186.00 1.10	Cld 6 6 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 Ran: 0 Part 0,00 04.00 07.00 93.00	/ F( Ttl # 1 11 1 2 1 3 1 13 1 43 1 49 4/30/1976 Bim At 4,204.00 4,207.00 4,207.00 4,207.00 4,207.00 4,204.00 4,207.00 4,204.00 4,207.00 4,204.00 4
1000		San Andress Comments 4309°-438 5000 ga1s Perforation Top 4,309.00 4,324.00 4,324.00 4,342.00 4,342.00 4,342.00 4,342.00 4,374.00 Tubing Strin Tubing Anch Tubing Seat Nipple Bull Plug Rod String 1	5 / Compl 32': Ac 5 3% Ac 8 Botton 4.319.0 4.332.0 4.332.0 4.332.0 4.352.0 ng 1	1012 100 100 100 100 100 100 100 100 100	Forr an Andres an Andres an Andres an Andres an Andres an Andres an Andres an Andres 2,3750 2,3750 2,3750 2,3750	Weight	Status A A A A A A	Openad 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 4/29/197 1/20/10 1/20	Cla 6 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 Ran: Op At 0,00 04.00 07.00 93.00 94.10	//f( Ttl # 1 11 1 3 1 3 1 4 1 3 1 4 1 9 4/30/197( Btm Al 4,204.00 4,207.00 4,293.00 4,398.10 4,398.70
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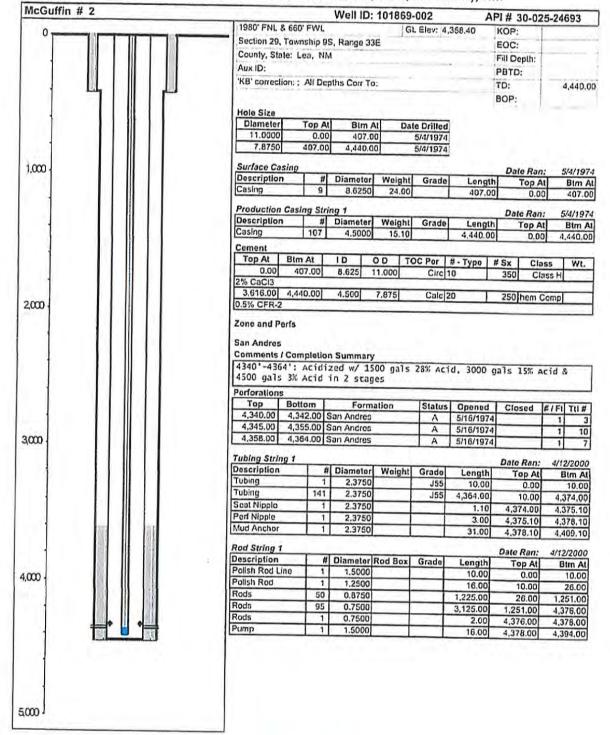
San Andres Producer

Southwest Royalties, Inc.

#### McGuffin #2

API # 30-025-24693

# 1980' FNL x 660' FEL, UL "E", Section 29, T9S, R33E, Lea County, NM



San Andres Producer

Southwest Royalties, Inc. Flying M San Andres Unit #145 API # 30-025-24704

# 660' FNL x 660' FEL, UL "F", Section 29, T9S, R33E, Lea County, NM

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		Comments J 4400' - 446 4500 gals Perforations Top 4,400,00 4,406,00 4,415,00 4,415,00 4,415,00 4,428,00 4,428,00 4,446,00 4,452,00 4,46,00 4,452,00 4,463,00 Tubing Strim Description Tubing Seal Nipple Mud Anchor Rod String 1 Description Polish Rod	/ Completit 56': Acic 5 3% Acic 5 Bottom 4,402.00 4,412.00	For San Andre San San San San San San San San San San	1500 gals mation 25 25 25 25 25 25 25 25 25 25 25 25 25	Slatu A A A A A A A A A Grade J55 J55	s Openad 5/7/19	I         Clos           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         76           74         76           76         76           76         76           76         76           76         76           76         76	Ran: p Al 0.00 5.00 2.00 4.00 5.10 3.10 8.10 8.00 8.00 2.00 8.00 2.00 8.00 2.00 8.00 2.00 8.00 2.00 8.00 8	Ft Til A 1 1 1 1 1 1 1 1 1 1 1 1 1
		Comments J 4400' - 446 4500 gals Perforations Top 4,400,00 4,406,00 4,415,00 4,415,00 4,415,00 4,415,00 4,428,00 4,446,00 4,452,00 4,463,00 Tubing Strint Description Tubing Tubing Anch Tubing Seat Nipple Parl Nipple Mud Anchor Polish Rod Polish Rod Li	/ Completit 56': Acic 5 3% Acic 5 Bottom 4,402.00 4,412.0	For           San Andre           San A	1500 gals mation 25 25 25 25 25 25 25 25 25 25 25 25 25	Slatu A A A A A A A A A Grade J55 J55	s Opened 5/7/19	I         Clos           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         76           74         76           74         76           74         76           74         76           74         76           76         76	Ran: p At 0.00 5.00 5.10 5.10 8.00 8.00 8.00 8.00 8.00 8.00 8.00 8	Ft Til / 1 1 1 1 1 1 1 1 1 1 1 1 1
		Comments J 4400' - 446 4500 gals Perforations Top 4,400,00 4,406,00 4,415,00 4,415,00 4,415,00 4,428,00 4,428,00 4,428,00 4,446,00 4,452,00 4,463,00 Tubing Strin Description Tubing Tubing Anch Tubing Seat Nipple Porf Nipple Mud Anchor Polish Rod Polish Rod Li Pony Rods	/ Completit 56': Acic 53% Acic 5 Bottom 4,402.00 4,412.00 4,425.00 4,438.00 4,457.00 4,457.00 4,457.00 4,457.00 4,456.00 1,457.00 4,466.00 1,9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	For           San Andre           San A	1500 gals mation 25 25 25 25 25 25 25 25 25 25 25 25 25	Slatu A A A A A A A A A Grade J55 J55	s Openod 5/7/19	I         Closs           74         74           74	Ran: p At 0.00 5.00 5.10 5.10 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.10 8.00 5.00 5.00 5.00 5.00 5.00 5.00 5.0	Ft T(1 A 1 1 1 1 1 1 1 1 1 1 1 1 1
		Comments J 4400' - 446 4500 gals Perforations Top 4,400,00 4,406,00 4,415,00 4,415,00 4,415,00 4,428,00 4,428,00 4,428,00 4,428,00 4,428,00 4,428,00 4,446,00 4,452,00 4,463,00 Tubing String Tubing Anch Tubing Seat Nipple Porf Nipple Mud Anchor Rod String 1 Description Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod	/ Completit 56': Acic 53% Acic 5 Bottom 4,402.00 4,410 4,10 10 10 10 10 10 10 10 10 10 10 10 10 1	For           San Andre           San A	1500 gals mation 25 25 25 25 25 25 25 25 25 25 25 25 25	Slatu A A A A A A A A A Grade J55 J55	s Openod 5/7/19	I         Clos           74         74           74         70           74         70           74         70           74         74           74         70           74         74           74         70           74         74           74         74           74         70           74         70           74	Ran: PAL 0.00 8.00 2.00 5.10 3.10 8.01 2.00 5.10 3.10 8.01 2.00 5.10 0.01 0.00 0.00 0.00	Ft T(1 A 1 1 1 1 1 1 1 1 1 1 1 1 1
.000		Comments J 4400'-446 4500 gals Perforations Top 4.400.00 4.400.00 4.400.00 4.400.00 4.415.00 4.428.00 4.428.00 4.428.00 4.428.00 4.428.00 4.428.00 4.428.00 4.428.00 4.446.00 4.452.00 4.463.00 Tubing Strin Description Tubing Seat Nipple Parf Nipple Mud Anchor Polish Rod Polish Rod Li Pony Rods Rods Rods	/ Completit 56': Acic 53% Acic 5 Bottom 4,402.00 4,412.00 4,425.00 4,438.00 4,457.00 4,457.00 4,457.00 4,457.00 4,456.00 1,457.00 4,466.00 1,9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	For           San Andre           San A	1500 gals mation 25 25 25 25 25 25 25 25 25 25 25 25 25	Slatu A A A A A A A A A Grade J55 J55	s Openad 5/7/19	I         Clos           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         76           70         70           70         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           74         70           70         70           70	Ran: p At 0.00 5.10 3.10 8an: o At 0.00 0.00 2.00 1.00 0.00 2.00	Ft TU A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Comments J 4400' - 446 4500 gals Perforations Top 4,400,00 4,406,00 4,415,00 4,415,00 4,415,00 4,428,00 4,428,00 4,428,00 4,428,00 4,428,00 4,428,00 4,446,00 4,452,00 4,463,00 Tubing String Tubing Anch Tubing Seat Nipple Porf Nipple Mud Anchor Rod String 1 Description Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod Polish Rod	/ Completit 56': Acic 53% Acic 5 Bottom 4,402.00 4,410 4,10 10 10 10 10 10 10 10 10 10 10 10 10 1	For San Andre San Andre Sa	1500 gals mation 25 25 25 25 25 25 25 25 25 25 25 25 25	Slatu A A A A A A A A A Grade J55 J55	s Openad 5/7/19	I         Clos           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         76           70         70           70         70           70         70           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74           74         74	Ran: p At 0.00 5.10 5.10 7.10 8.00 2.00 1.00 2.00 2.00 2.00 0.00 2.00	Ft         Tu #           1         1           1         1           1         1           1         6           1         1           1         6           1         1           1         5           1         6

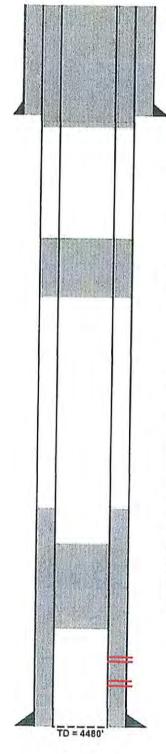
### P&A - San Andres

Southwest Royalties, Inc.

# McGuffin #1

# API # 30-025-21824

# 1980' FNL x 2155' FWL, UL "F", Section 29, T9S, R33E, Lea County, NM



1980' FNL & 2155' FWL GL Elev: 4355'	KOP:
Section 29, Township 9S, Range 33E	EOC:
County, State: Lea, NM	Fill Depth:
Aux ID:	PBTD:
KB Correction: : All Depths to Corr To:	TD: 448
	SOP:

#### Hole Size:

Diameter	Top At	Btm At	Date Drilled:
12-1/4"	0'	271'	
7-7/8"	271'	4480'	

#### Surface Csg

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	8	8-5/8"	24#	J55	271	TOPAL	271'

#### **Production Casing String 1**

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	140	4-1/2"	9.5#		4480"	0'	4480
Coment							
Top At	Blm At	ID	OD	TOC Per	# - Type	# Sx	Class
0'	271'	8-5/8"	12-1/4*	Circ	10	150	Class C
w/ 2% CaCl						100	01000
3000'	4480'	4-1/2"	7-7/8"	Calc	20	250	Class C
w/ 1:1 Pozmix.	2% CaC/ 8	420 gals cher				200	Ciass C

Zone and Perfs

#### San Andros

Comments / Completion Summary

4354'-4381': Acidized w/ 1000 gals BDA

4354'-4404': Acidized w/ 4000 gals 28% Super X Acid. 28 Ball Sealers - 3000 max, av 2300# at 3 BPM

#### Perforations

Тор	Btm	Formation	Status	Opened	Closed	#/Ft	Tt t
4354'	4358'	San Andres	Plugged	The second se	10/20/2016	1	10.0
4362'	4369'	San Andres	Plugged	Statistics and statistics and	10/20/2016	1	
4371'	4381'	San Andros	Plugged	and the second se	10/20/2016	1	
4395'	4404'	San Andres	Plugged		10/20/2016		

#### Wellbore Plugs and Junk

Тор	Btm	Туре	Diameter	Solid	Date
3878'	4134	Cement	4-1/2"	Yes	10/18/2016
Spot 25 s.	x			1.5%	1.0.10.2010
1221'	1248	Cement	4-1/2"	Yes	10/19/2016
Okay by C	DCD to squee	zə 100 sx @	1248', Spot 25 s	x @ 1221'. I	Vo Tag Needed
0,	321	Cement	8-5/8"	Yes	10/20/2016

San Andres Producer

Southwest Royalties, Inc.

# Flying M San Andres Unit #16

API # 30-025-24702

# 1980' FNL x 1980' FEL, UL "G", Section 29, T9S, R33E, Lea County, NM

	1980' FNL Section 29 County, St Aux ID: 'KB' correc Diameter 12.2500 7.6750 Surface Ca Description Casing Production Casing Coment Top At 0.00 1,900.00 DV Tcol @	I. Towns ate: Le ition: : / ition: : / asing n casing n casing n Btm / 366	ship 9 a, NN All De op Al 0.00 666.00 #1 12 g Stri #1 140	S. Range A plhs Corr b 366 4.450 Diamete 8.625	33E To: .00 .00 .00 .00 .00 .00 .00	0 K5	4,332.00		7 7/8	4,414 4,415, 4,450, X 2 3/8 4/2/197 Btm /
1.000	County, St. Aux ID: 'KB' correc Diameter 12.2500 7.6750 Surface Ca Description Casing Production Casing Coment Top At 0.00 1,9C0.00	ate: Le ilion: : / ilion: : / asing n Casing n Bitm / 366	a, NM All De op Al 0.00 666.00 # 12 g Stri 140	t Btm ) 366 ) 4.450 Diamete 8.625 ing 1 Diamete	To: 0 At D 00 00 00 0 24.0 r Weight 0 24.0 r Weight	4/2/197 4/12/197 d Grade	4 4 0 Long	EOC: Fill Depth: PBTD: TD: BOP: Date Ra th Top	n: At	4,415 4,450 × 2 3/ 4/2/19 Btm
	County, St. Aux ID: 'KB' correc Diameter 12.2500 7.6750 Surface Ca Description Casing Production Casing Coment Top At 0.00 1,9C0.00	ate: Le ilion: : / ilion: : / asing n Casing n Bitm / 366	a, NM All De Top Al 0.00 666.00 # 12 g Stri 140	t Btm ) 366 ) 4.450 Diamete 8.625 ing 1 Diamete	To: 0 At D 00 00 00 0 24.0 r Weight 0 24.0 r Weight	4/2/197 4/12/197 d Grade	4 4 0 Long	Fill Depth: PBTD: TD: BOP: Date Ra	n: At	4,415 4,450 X 2 3, 4/2/15 Btm
	Aux ID: 'KB' correc Diameter 12.2500 7.8750 Surface Ca Description Casing Production Casing Coment Top At 0.00 1,900,00	tion:: /	All De 0.00 66.00 # 12 g Stri # 140	pillis Corr 1 Bim 2 366 4,450 Diamete 8,625 ing 1 Diamote	a At D .00 .00 or Weigh 0 24.0 or Weigh	4/2/197 4/12/197 d Grade	4 4 0 Long	PBTD: TD: BOP: Date Ra	n: At	4,415 4,450 × 2 3/ 4/2/15 Btm
	*KB' correct Diameter 12.2500 7.8750 Surface Ca Description Casing Production Casing Cenent Top At 0.000 1.900.000	r T ) 3 asing n Casin, n Bim / 366	0.00 66.00 # 12 g Stri # 140	Diamete 8.625	a At D .00 .00 or Weigh 0 24.0 or Weigh	4/2/197 4/12/197 d Grade	4 4 0 Long	TD: BOP: Date Ra	n: At	4,450 X 2 3/ 4/2/15 Btm
	Hole Size Diameter 12.2500 7.8750 Surface Ca Description Casing Production Casing Coment Top At 0.00 1,9C0.00	r T ) 3 asing n Casin, n Bim / 366	0.00 66.00 # 12 g Stri # 140	Diamete 8.625	a At D .00 .00 or Weigh 0 24.0 or Weigh	4/2/197 4/12/197 d Grade	4 4 0 Long	BOP: Date Ra	n: At	X 2 3. 4/2/15 Btm
	Diameter 12.2500 7.8750 Surface Ca Description Casing Production Description Casing Coment Top At 0.000 1.9C0.000	asing n a Casin; n Btm / 366	0.00 66.00 # 12 g Stri # 140	0 366 4,450 Diamete 8,625 ing 1 Diamote	00 00 00 0 24,0 0 0 24,0	4/2/197 4/12/197 d Grade	4 4 0 Long	Date Ra	n: At	4/2/15 Btm
	Diameter 12.2500 7.8750 Surface Ca Description Casing Production Description Casing Coment Top At 0.000 1.9C0.000	asing n a Casin; n Btm / 366	0.00 66.00 # 12 g Stri # 140	0 366 4,450 Diamete 8,625 ing 1 Diamote	00 00 00 0 24,0 0 0 24,0	4/2/197 4/12/197 d Grade	4 4 0 Long	th Top	At	Btm
	12.2500 7.8750 Surface Ca Description Casing Production Casing Coment Top At 0.00 1.900.00	asing n a Casin; n Btm / 366	0.00 66.00 # 12 g Stri # 140	0 366 4,450 Diamete 8,625 ing 1 Diamote	00 00 00 0 24,0 0 0 24,0	4/2/197 4/12/197 d Grade	4 4 0 Long	th Top	At	Btm
	7.8750 Surface Ca Description Casing Production Coscription Casing Coment Top At 0.00 1,900.00	asing n Casing n Btm / 366	0.00 66.00 # 12 g Stri # 140	0 366 4,450 Diamete 8,625 ing 1 Diamote	00 00 00 0 24,0 0 0 24,0	4/2/197 4/12/197 d Grade	4 4 0 Long	th Top	At	Btm
	Surface Ca Descriptio Casing Production Description Casing Coment Top At 0.00 1,900.00	asing n Casin n Casin n Bim / 366	# 12 g Stri # 140	Diamete 8.625 ing 1 Diamete	or Weigh 0 24.0 or Weigh	4/12/197 ot Grade 0 K5	a Long	th Top	At	Btm
	Description Casing Production Description Casing Cement Top At 0.00 1.900.00	n Casin n Btm / 366	12 g Stri # 140	8.625 ing 1 Diamoto	o 24.0	0 K5		th Top	At	Btm
	Description Casing Production Description Casing Cement Top At 0.00 1.900.00	n Casin n Btm / 366	12 g Stri # 140	8.625 ing 1 Diamoto	o 24.0	0 K5		th Top	At	Btm
	Casing Production Description Casing Cement Top At 0.00 1.900.00	n Casin n Btm / 366	12 g Stri # 140	8.625 ing 1 Diamoto	o 24.0	0 K5		the second se		
	Production Description Casing Cement Top At 0.00 1.900.00	Btm /	g Stri # 140	ing 1 Diamoto	r Weigh	1.7-	5 366.0	00 0.	00	10.000
	Casing Cement Top At 0.00 1.900.00	Btm /	#	Diamoto		I Grade				366
	Casing Cement Top At 0.00 1.900.00	Btm /	#	Diamoto		t Grade				
	Cement Top At 0.00 1.900.00	Btm A					Leng	Dato Ra		/12/19
	Top At 0.00 1.900.00	366	At	1	0 10.5					Btm
	Top At 0.00 1.900.00	366	At				1.100.	0.0		4,450
	0.00	366		ID	ODT	TOC Por			-	-
	1,900.00			8.625	12.250	Circ		The second se	895	WI
1000	DV Tool @	3.407		4.500	7.875	Est		300		-
2000		3407': 0	DV To	cl @ 3407	"	LSI	20	250	-	
	3,407.00	4,450	.00	4.500	7.875	Est	20	250	_	-
	4.361.00	4,363	3.00 \$	San Andre		A	4/16/197			-
	Top	Sotto					Test in			
					mation 3	Statu				t Ttl :
	4.366.00	4,370	0.00	San Andro	5	A	4/16/197		1	_
	4,378.00			San Andre		A	4/16/197	the second s	1	
	4,386.00	4.389	1.00 \$	San Andre	5	A	4/16/197	4	1	
	4.392.00	4,394	.00 5	San Andre	5	A	4/16/197	4	1	
.000	4,408.00	4,412	.00 5	San Andre	5	A	4/16/197	4	1	_
1 1 1 1	ubing Strin	no 1						12.000		
	Description		#	Diamete	r Wolgh	Grade	Langth	Date Ran		8/200
	Tubing		134	2.375			Length 4.224.00		_	Bim A
	ubing Anch	or	1	4.000		000	4.224.00		_	224.0
1 1 1 1 1 1 1 1 1 1 1 1	lubing		5	2.375	the second s	J55	152.00		COLUMN 21	227.0
	Seat Nipple		1	2.375		000	1.10		_	379.0
	Aud Anchor		1	2.3750	0		10.00		_	380.1
	-3/8 x 10' sl	latted O	PMA				10.00	4.500.10	4.	390.1
	and Best								-	
	od String 1			-	In in			Date Ran:	9/1	8/200
	olish Rod				Rod Box	Grade	Length	Top At		3tm A
	olish Rod Li	ine	1	1.1250			16.00	0.00		16.00
	ony Rods		2	1.5000			10.00	16.00	_	26.00
	- 7/8 x 4' an	d 1- 7/8	E Y F	0.8750	1		10.00	26.00		36.00
	ods	1 1 10	51	0.8750	1		1 000 001			
a second se	ods		123	0.7500			1,275.00	36.00		11.00
P	ump		1	1.5000			3,075.00	1.311.00		86.00
	0x150RHBC	x 16x3	Dump				16.00	4,386.00	4,4	02.00
									_	
1										

### San Andres Injector

# Southwest Royalties, Inc.

### Flying M San Andres Unit #241

# API # 30-025-24692

# 1980' FSL x 1980' FWL, UL "K", Section 29, T95, R33E, Lea County, NM

Flying M S	5A Unit # # 24 - 1	Well ID: 101865-024	API # 30-025-24692
0		1980' FSL 1980' FWL GL Elov: 4,342.	
		Section 29, Township 9S, Range 33E	EOC:
		County, State: Lea, NM	Fill Depth:
1		Aux ID:	And the second sec
		'KB' correction: : All Depths Corr To:	Charlenge St. 7 (1997) St. College St.
		the container recorpus con to.	TD: 4,450.0
			BOP:
-		Hole Size	
		Diameter Top At Btm At Date Drilled	
		12.2500 0.00 404.00 3/21/1974 7.8750 404.00 4,450.00 3/21/1974	
		7.8750 404.00 4.450.00 3/21/1974	
1,000		Surface Casing	Date Ran: 3/21/197
1.000		Description # Diameter Weight Grade	Longth Top AL Blm A
	11111	Casing 12 8.6250 24.00 K55	404.00 0.00 404.0
		Production Casing String 1	and the second second
1.0		Description of the second se	Date Ran: 3/21/197 Length Top At Btm A
1			the second se
		Cement	445.00 0.00 4,445.0
1		Top At Blm At ID OD TOC Per # - T	Suma Latera Latera Latera
		0.00 404.00 8.625 12.250 Circ 10	
		2% CaCl3	300 H
		3,613.00 4,450.00 4.500 7.875 Calc 20	250 hem Comp
2,000 -		.5% CFR-2	
		Zone and Perfs	
		Perforations Top Bottom Formation Status Op	pened Closed #/Fi Ttl #
		4,342.00 4,346.00 San Andres A 11	/1/1993 1
1		4,348.00 4,352.00 San Andres A 11.	/1/1993 1
2 000			/1/1993 1
3000 -		4,407.00 4,412.00 San Andres A 11	/1/1993 1
		Tubing String 1	Date Ran: 11/27/2006
1	1 1 11 1 1	Description # Diamoter Weight Grade L	ength Top At Bim At
	11111		244.00 0.00 4.244.00
		Packer 1 2.3750	8.00 4.244.00 4.252.00
		And the second sec	
1	and have		
4,000			
- 4			
1			
	1000		
1			
1			
1			
10.00			
5,000			
-		1	
		Laboration street	
		EXHIBIT "C"	
		CALIBIT C	

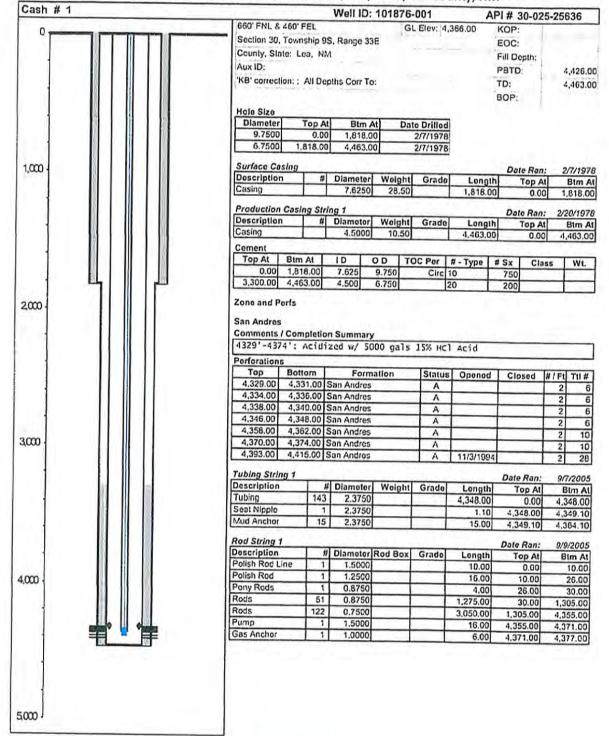
San Andres Producer

Southwest Royalties, Inc.

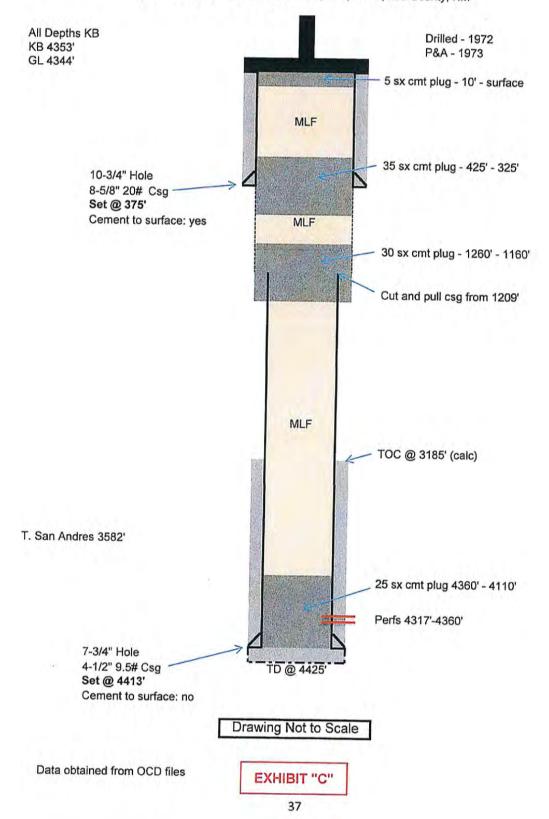
Cash #1

API # 30-025-25636

660' FNL x 460' FEL, UL "A", Section 30, T9S, R33E, Lea County, NM



D&A -San Andres (never produced) Saxon Oil Company Mildred Wright #1 API # 30-025-24113 659' FSL x 659' FEL, UL 'P', Sec 30, T9S, R33E, Lea County, NM



San Andres Producer

Southwest Royalties, Inc. Gonzales 31 Federal #4

API # 30-025-24043

660' FNL x 1980' FEL, UL "B", Section 31, T9S, R33E, Lea County, NM

0				Well ID:	101864	-004	1	API # 30-0	25-24043
		660' FNL & 1980	FEL		G	L Elev: 4		KOP:	20 21010
		Section 31, Tow County, State: L Aux ID: "KB' correction: ;	.ca, NM		3E			EOC: Fill Depth: PBTD: TD: BOP:	4,336 4,367
		Hole Size Diameter 11.0000 7.8750	Top At 0.00 365.00		00	e Drilled 3/7/1972 3/7/1972	1		-
1,000		Surface Casing Description	#	Diameter		Grade			the local data was not seen as a second s
1		Casing	12	8.6250	24,00		365.0	0 0	00 365.
		Production Gas	ing Stri	ng 1				Date R	n: 3/7/19
4		Description	#	Diamoter	Weight	Grade	Long		the second s
		Casing	132	4.5000	9.50	J55	4,367.0		00 4,367.0
1		Cement				State N			A
			n At				# - Type	# Sx 0	lass   WI.
			65.00	8.625	11.000	Circ	10	250 0	Closs H
100		2% CaCl 3,623.00 4,30	67.00	4 500	7 6751	0.1			
2000		5% CFR-2	07.001	4.500	7.875	Calc	20	200 her	Comp
		San Andres Comments / Cor 4254'-4307'- 5000 gal's 3%	Acidi	n Summary zed w/ 15	/ 500 gals	28% AC	id, 3000	gals 15%	Acid &
		Comments / Cor 4254 '-4307 '- 5000 ga1s 3% Perforations	Acidi: Acid	zed w/ 15	500 gals				
		Comments / Cor 4254'-4307'- 5000 gals 3% Perforations Top Bot	Acidi: Acid	zed w/ 15	500 gals	Status	Opened	Closed	#/Ft Ttl #
		Comments / Cor 4254'-4307'- 5000 gals 3% Perforations Top Bot 4.254.00 4.2	Acidi Acid	red w/ 15	500 gals			Closed	#/Ft Ttl #
.000		Comments / Cor           4254 '-4307'-           5000 ga1s 3%           Perforations           Top         Bot           4.254.00         4.2           4.302.00         4.3	Acidi Acid	Form	500 gals	Status	Opened 3/20/197	Closed	#/Ft Ttl # 2 5 2 1
.000		Comments / Cor           4254 '-4307'-           5000 ga1s 3%           Perforations           Top         Bot           4.254.00         4.2           4.302.00         4.3           Tubing String 1         1	Acidi: Acid tom 80.00 \$ 07.00 \$	Form Form San Andres	500 gals	Status A A	Opened 3/20/197 3/20/197	Closed	# / Ft Ttl # 2 5 2 1 2 1
		Comments / Cor           4254 '-4307'-           5000 ga1s 3%           Perforations           Top         Bot           4.254.00         4.2           4.302.00         4.3	Acidi: Acid tom 80.00 \$ 07.00 \$	Form Form an Andres an Andres	500 gals nation Weight	Status A A	Opened 3/20/197 3/20/197 Length	Closed	# / Ft Ttl # 2 5 2 1 a: 5/5/200 M Bim A
		Comments / Cor           4254'-4307'-           5000 gals 3%           Perforations           Top         Bot           4,254,00         4,2           4,302,00         4,3           Tubing String 1         Description	Acidi: Acid tom 80.00 \$ 07.00 \$	Form Form San Andres	500 gals nation Weight	Status A A	Opened 3/20/197 3/20/197 Length 12.00	Closed	# / Ft Ttl 2 2 5 2 1 5: 5/5/200 M Btm # 0 12.0
		Comments / Cor           4254'-4307'-           5000 ga1s 3%           Perforations           Top         Bot           4.254.00         4.2           4.302.00         4.3           Tubing String 1         Description           Tubing         Tubing           Tubing         Tubing	Acidi: Acid tom 80.00 \$ 07.00 \$	Form Form an Andres an Andres Diameter 2.3750	00 gals	Status A A	Opened 3/20/197 3/20/197 Length	Closed 22 22 Dato Rai 1 Top / 0 0.0 0 12.0	# / Ft Tti / 2 5 2 1 2 5 5/5/200 M Bim / 0 12.0 0 24.0
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		Comments / Cor 4254 '-4307'- 5000 gals 3% Perforations Top Bot 4.254.00 4.2 4.302.00 4.3 Tubing String 1 Description Tubing Tubing Tubing Seat Nipple Perf Nipple Mud Anchor Rod String 1 Description	Acidi: Acid 80.00 \$ 07.00 \$ 138 138 1 1 1	Each w/ 15 Form Can Andres Can Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750	Weight	Status A A	Opened 3/20/197 3/20/197 3/20/197 12.00 12.00 4.280.00 1.10 4.00	Date Rai Date Rai Top A D 0.0 24.0 4.304.0 4.305.1 4.309.1 Date Rai	# / Ft Ttl 2 2 5 2 1 3: 5/5/200 4 Btm / 0 12:0 0 24:0 0 4:305.1 0 4:305.1 0 4:333.1 1 5/5/200
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San Andres Producer Southwest Royalties, Inc. Gonzales 31 Federal #7

#### API # 30-025-26940

1980' FNL x 1980' FEL, UL "G", Section 31, T9S, R33E, Lea County, NM

Gonzales 31 Federa	1#7			well IL	: 101864	-007		API #	30-025	-26940
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		San Andres Comments / Cor 4232 ' - 4266' : Aci d & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Tubing Seat Nipple Port Nipple Mud Anchor Bull Plug Rod String 1	Acidi. gals tom 566.00 \$ # 1 131 131 1 1 1 1 1 1 1	zed w/ 1 3% HCl A Form Son Andres 2.3750 2.3750 2.3750 2.3750 2.3750	500 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0	Grade	Lengti 8.00 4,148.00 32.00 1.00 4.00 31.00 1.00	I         Cloc           Date         T           D         4.1           D         4.2           Date         Date	esed # 2 Ran: op At 0.00 8.00 55.00 91.00 92.00 96.00	/ Ft Ttl 4 4 4/25/198 Blm 4 8.0 4.156.0 4.159.0 4.191.0 4.192.0 4.196.0 4.227.0 4.228.0
		San Andres Comments / Cor 4232' - 4266': Acid & 15000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description	Acidi. gals tom 666.00 \$ 131 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Forr San Andre: 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750	S00 gals cid nation s r Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Status A	Longti 8.00 4.148.00 32.00 1.00 4.00 31.00 1.00	I         Cloc           Date         T           0         T           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1           0         4.1	esed # 0.00 8.00 55.00 91.00 92.00 96.00 27.00 Ran: op At	/ Ft Ttl 4 4 4/25/198 Bim A 8.0 4.156.0 4.159.0 4.191.0 4.192.0 4.196.0 4.227.0 4.228.0 5/1/198
		San Andres Comments / Cor 4232'-4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipplo Mud Anchor Bull Plug Rod String 1 Description Polish Rod Line	Acidi. gals tom 66.00 \$ # 1 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Form Son Andres 2.375( 2.375( 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750	S00 gals cid nation s r Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	<ul> <li>Dponed</li> <li>Longta</li> <li>8.00</li> <li>4.148.00</li> <li>3.00</li> <li>3.00</li> <li>1.000</li> <li>4.00</li> <li>31.000</li> <li>1.000</li> <li>Longth</li> <li>1.000</li> </ul>	I         Cloc           Date         Date           D         4.1           D         4.11           D         4.11           D         4.11           D         4.12           D         4.13           D         4.11           D         4.12           D         4.12	e Ran: op At 0.00 8.00 59.00 91.00 92.00 9	/ Ft Ttl # 4 4 4/25/198 Btm A 8.0 4.156.0 4.156.0 4.159.0 4.196.0 4.192.0 4.196.0 4.227.00 4.228.00 5/1/1981 Btm A 10.00
		San Andres Comments / Cor 4232'-4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Line Polish Rod	Acidi. gals tom 666.00 \$ # 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HC1 A Form San Andres Diameter 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	<ul> <li>Dponed</li> <li>Length</li> <li>8.00</li> <li>4.148.00</li> <li>3.00</li> <li>32.00</li> <li>1.00</li> <li>4.00</li> <li>31.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> <li>1.00</li> </ul>	I         Cloc           Date         Date           D         4.1           D         4.11	e Ran: op At 0.00 8.00 55.00 91.00 92.00 92.00 92.00 92.00 92.00 92.00 92.00 90.00 27.00 27.00 27.00 20.00 2	/ Ft Ttl # 4 4 25/198 Btm A 8.00 4.156.00 4.156.00 4.156.00 4.196.00 4.196.00 4.227.00 4.228.00 4.228.00 5/1/1981 Btm At 10.00 26.00
		San Andres Comments / Cor 4232'-4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Port Nipplo Mud Anchor Bull Piug Rod String 1 Description Polish Rod Line Polish Rod	Acidi. gals tom 666.00 \$ 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 2	2ed w/ 1 3% HC1 A Form San Andres 2.37500 2.37500 2.37500 2.37500 2.37500 2.375000 2.375000000000000000000000000000000000000	S00 gals cid nation s r Weight D D D D D D D D D D D D D D D D D D D	Grade	Length 8.00 4,148.00 32.00 1.00 31.00 1.00 1.00 1.00 1.00 1.00	1 Clo Date D T D 4.1 D 4	e Ran: op At 0.00 8.00 55.00 91.00 92.00 27.00 27.00 Ran: op At 0.00 0.00 0.00	/ Ft Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.159.00 4.192.00 4.192.00 4.227.00 5/1/1981 Btm At 10.00 26.00 38.00
		San Andres Comments / Cor 4232 ' - 4266' : Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Piug Rod String 1 Description Polish Rod Line Polish Rod Pony Rods Rods	Acidi. gals tom 666.00 \$ # 1 131 131 1 1 1 1 1 1 1 1 1 2 59	2ed w/ 1 3% HC1 A Form San Andres 2.37500 2.37500 2.37500 2.37500 2.37500 2.375000 2.375000000000000000000000000000000000000	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	<ul> <li>Dponed</li> <li>Lengtli</li> <li>8.00</li> <li>4.148.01</li> <li>3.00</li> <li>32.00</li> <li>1.00</li> <li>4.00</li> <li>31.00</li> <li>1.00</li> <li>1.475.00</li> </ul>	1 Clo Date D T D 4.1 D 4	e Ran: op At 0.00 8.00 55.00 91.00 92.00 92.00 27.00 Ran: 0.00 26.00 27.00 8.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 27.00 28.00 27.00 27.00 28.00 28.00 27.00 28.00 28.00 27.00 28.00 27.00 28.00 27.00 28.00 28.00 27.00 28.00 28.00 27.00 28.00 27.00 28.00 28.00 28.00 27.00 28.00 28.00 28.00 27.00 28.00 28.00 28.00 28.00 27.00 28.00	/ Ft Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.159.00 4.191.00 4.192.00 4.196.00 4.227.00 4.228.00 5/1/1981 Btm At 10.000 26.00 38.00 1.513.00
		San Andres Comments / Cor 4232 ' - 4266' : Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Line Polish Rod Pony Rods Rods Rods	Acidi. gals tom 66.00 S # 131 131 1 1 1 1 1 1 1 1 1 1 1 2 59 107	2ed w/ 1 3% HCl A Forr San Andre: 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.8750 0.8750 0.8750	S00 gals cid nation s r Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	Length 8.00 4,148.00 32.00 1.00 4.00 31.00 1.00 10.00 16.00 12.00 1,475.00 2,675.00	1 Clo Date D 4.1 2 4.1 1 4.1 2 4.1 1	sed         #           Ran:         0.00           8.00         56.00           59.00         91.00           92.00         96.00           27.00         8           0.00         10.00           10.00         10.00           26.00         33.00	/ Ft Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.159.00 4.191.00 4.192.00 4.192.00 4.228.00 5/1/1981 Btm At 10.00 26.00 38.00 1.513.00 4.188.00
		San Andres Comments / Cor 4232'-4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Line Polish Rod Pony Rods Rods Rods Rods	Acidi. gals tom 66.00 S # 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Form Son Andres 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.8750 0.8750 0.7500 0.7500	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	Length 8.00 4,148.00 32,00 1.00 4.00 31.00 1.00 1.00 10.00 16.00 12.00 1.475.00 2.675.00 8.00	I         Cic           Date         Date           D         4.1           D         4.11           D         4.11           D         4.11           D         4.12           D         4.11           D         4.12           Date         Te           Date         Te           Date         1           1,151         4.18	e Ran: op At 0.00 8.00 56.00 91.00 92.00 91.00 92.00 96.00 27.00 8.00 0.00 0.00 0.00 0.00 1	/ Ft Ttl # 4 4/25/198 Btm A 8,00 4,156.00 4,159.00 4,197.00 4,197.00 4,192.00 4,192.00 4,192.00 4,192.00 5/1/1981 Btm At 10,00 26.00 38.00 1,513.00 4,188.00 4,198.00 4,198.00 4,198.00
		San Andres Comments / Cor 4232 ' - 4266' : Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Line Polish Rod Pony Rods Rods Rods	Acidi. gals tom 66.00 \$ # 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Form Son Andres 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.8750 0.8750 0.7500 0.7500 0.7500	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	Longth 8.00 4,148.00 32.00 4,00 32.00 4,00 31.00 1.00 10.00 10.00 12.00 1,475.00 2,675.00 8.00 16.00	I         Cloc           Date         Date           D         4.1           D         4.11           D         4.12           Date         1           1         5           3         3           4.18         4.19	esed # P Ran: op At 0.00 8.00 55.00 59.00 91.00 92.00 92.00 92.00 92.00 93.00 93.00 10.00 10.00 13.00 13.00 18.00 13.00 18.00	/ Ft Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.156.00 4.192.00 4.192.00 4.192.00 4.227.00 4.228.00 5/1/1981 Btm At 10.00 26.00 38.00 1.513.00 4.198.00 4.198.00 4.198.00
		San Andres Comments / Cor 4232' - 4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods	Acidi. gals tom 66.00 S # 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Form Son Andres 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.8750 0.8750 0.7500 0.7500	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	Length 8.00 4,148.00 32,00 1.00 4.00 31.00 1.00 1.00 10.00 16.00 12.00 1.475.00 2.675.00 8.00	I         Cloc           Date         Date           D         4.1           D         4.11           D         4.12           Date         1           1         5           3         3           4.18         4.19	e Ran: op At 0.00 8.00 56.00 91.00 92.00 91.00 92.00 96.00 27.00 8.00 0.00 0.00 0.00 0.00 1	/ Ft Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.159.00 4.191.00 4.192.00 4.192.00 4.192.00 4.227.00 4.228.00 5/1/1991 Btm At 10.00 26.00 38.00 1.513.00 4.188.00 4.188.00 4.196.00
		San Andres Comments / Cor 4232' - 4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods	Acidi. gals tom 66.00 \$ # 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Form Son Andres 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.8750 0.8750 0.7500 0.7500 0.7500	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	Longth 8.00 4,148.00 32.00 4,00 32.00 4,00 31.00 1.00 10.00 10.00 12.00 1,475.00 2,675.00 8.00 16.00	I         Cloc           Date         Date           D         4.1           D         4.11           D         4.12           Date         1           1         5           3         3           4.18         4.19	esed # P Ran: op At 0.00 8.00 55.00 59.00 91.00 92.00 92.00 92.00 92.00 93.00 93.00 10.00 10.00 13.00 13.00 18.00 13.00 18.00	/ Ft Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.156.00 4.192.00 4.192.00 4.192.00 4.227.00 4.228.00 5/1/1981 Btm At 10.00 26.00 38.00 1.513.00 4.198.00 4.198.00 4.198.00
		San Andres Comments / Cor 4232' - 4266': Acid & 45000 Perforations Top Bot 4,232.00 4.2 Tubing String 1 Description Tubing Tubing Tubing Anchor Tubing Seat Nipple Perf Nipple Mud Anchor Bull Plug Rod String 1 Description Polish Rod Pony Rods Rods Rods Rods Rods Rods	Acidi. gals tom 66.00 \$ # 1 131 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2ed w/ 1 3% HCl A Form Son Andres 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 2.3750 0.8750 0.8750 0.7500 0.7500 0.7500	S00 gals cid nation s v Weight 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade	Longth 8.00 4,148.00 32.00 4,00 32.00 4,00 31.00 1.00 10.00 10.00 12.00 1,475.00 2,675.00 8.00 16.00	I         Cloc           Date         Date           D         4.1           D         4.11           D         4.12           Date         1           1         5           3         3           4.18         4.19	esed # P Ran: op At 0.00 8.00 55.00 59.00 91.00 92.00 92.00 92.00 92.00 93.00 93.00 10.00 10.00 13.00 13.00 18.00 13.00 18.00	/ Ft  Ttl # 4 4/25/198 Btm A 8.00 4.156.00 4.156.00 4.192.00 4.192.00 4.192.00 4.192.00 4.227.00 4.228.00 5/1/1981 Btm At 10.00 26.00 38.00 1.513.00 4.198.00 4.198.00 4.198.00

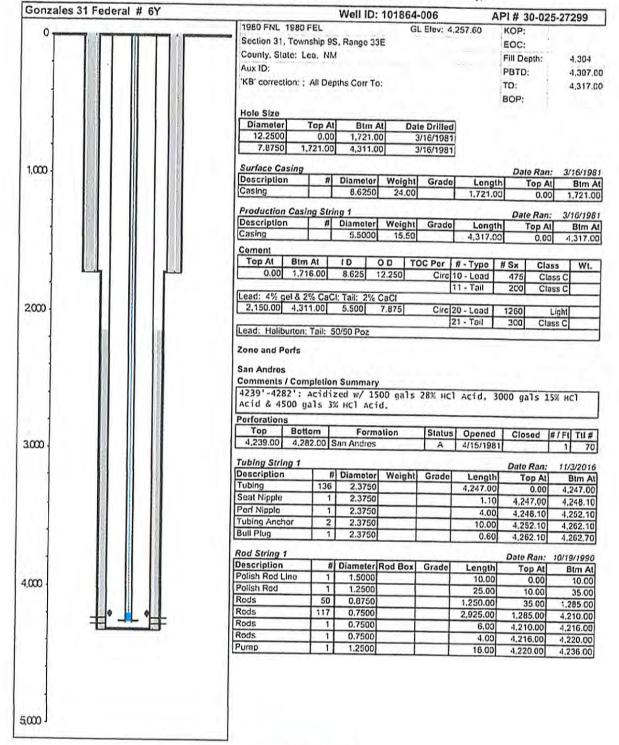
San Andres Producer

Southwest Royalties, Inc.

Gonzales 31 Federal #6Y

API # 30-025-27299

1980' FNL x 1980' FEL, UL "I", Section 31, T9S, R33E, Lea County, NM

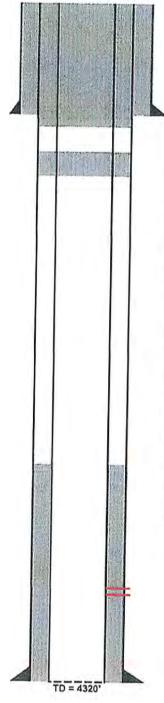


#### P&A - San Andres

# Southwest Royalties, Inc. Gonzales 31 Federal #1

### API # 30-025-23974

# 1990' FSL x 1980' FEL, UL "J", Section 31, T9S, R33E, Lea County, NM



1990' FSL & 1980' FEL GL Elev: 4237'	KOP:	
Section 31, Township 9S, Range 33E	EOC:	
County, State: Lea, NM	Fill Depth:	
Aux ID:	PBTD:	0'
KB Correction: : All Depths to Corr To:	TD:	4320
	BOP:	

#### Hole Size:

Diameter	Top At	Btm At	Date Drilled:
117	0'	364'	
7-7/8"	364'	4320'	

#### Surface Csg

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing	11	8-5/8"	24#	J55	364'	TOPAL	364'

#### **Production Casing String 1**

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		4-1/2"			4320'	0'	4320'

Top At	Btm At	ID .	OD	TOC Per	# - Type	# Sx	Class
0,	364'	8-5/8*	11*	Circ	10	250	Class H
3540	4320'	4-1/2"	7-7/8*	Calc	20		Class H
			1.110	- Odic	20	200	

#### Zone and Perfs

San Andros

#### **Comments / Completion Summary**

4214'-4280': Acidized w/ 1000 gals 28% Acid, 3000 gals 15% Acid and 4000 gals 3% Acid in two stages

#### Perforations

Тор	Btm	Formation	Status	Opened	Closed	#/Ft	Ttl #
4214	4254'	San Andres	Plugged		8/1/2006		10.4
4274	4280	San Andres	Pluggod		8/1/2006		

#### Wellbore Plugs and Junk

Тор	Blm	Туре	Diameter	Solid	Date
	700'	CICR	4-1/2"	Yes	8/1/2006
Squeeze	200 sx cmt u	nder CICR. cle	ar relainer w/ 1.	5 bbls wtr	
0'	414'	Cement	8-5/8"	Yos	8/3/2006
Cap rela	iner w/ 10 sx i	cmt			0.012.000

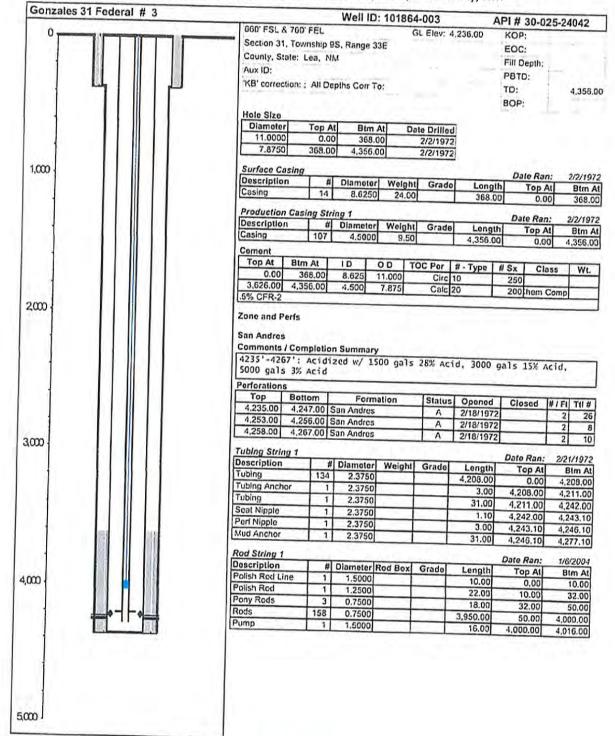
Could not drill past 1059', BLM oks setting CICR @ 700'

San Andres Producer

Southwest Royalties, Inc. Gonzales 31 Federal #3

API # 30-025-24042

660' FSL x 760' FEL, UL "P", Section 31, T9S, R33E, Lea County, NM



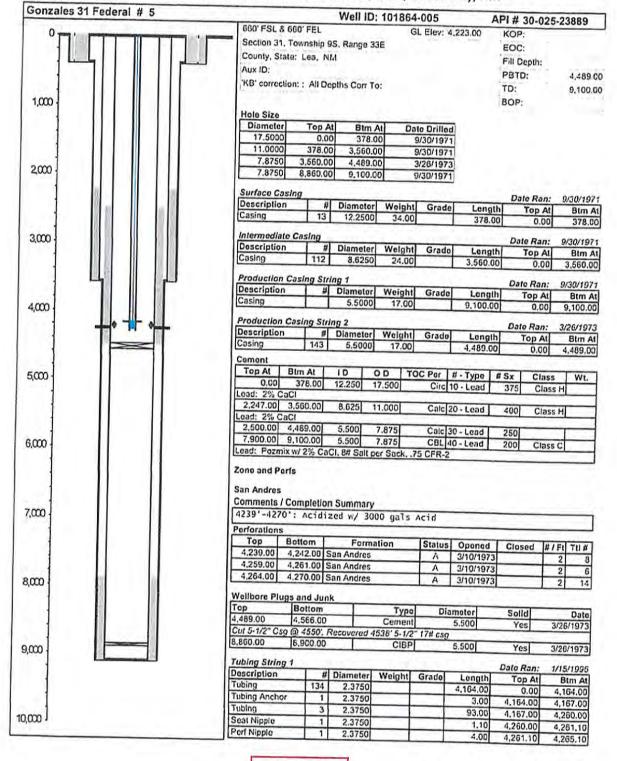
San Andres Producer

Southwest Royalties, Inc.

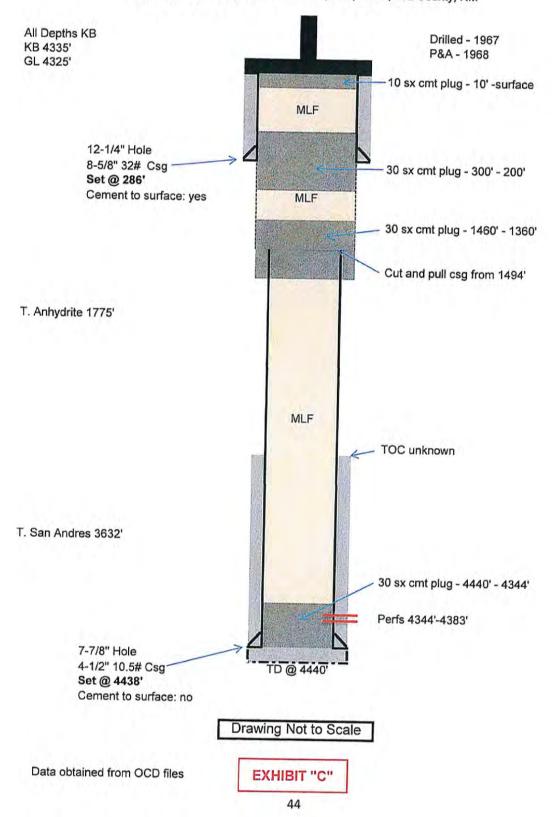
Gonzales 31 Federal #5

API # 30-025-23889

660' FSL x 660' FEL, UL "P", Section 31, T9S, R33E, Lea County, NM



P&A -San Andres Coastal States Gas Producing Company W A State #2 API # 30-025-22224 469' FNL x 660' FWL, UL 'D', Sec 32, T9S, R33E, Lea County, NM



### Southwest Royalties, Inc. Flying 'M' San Andres Field Pressure Maintenance Project T9S, R33E Lea County, New Mexico

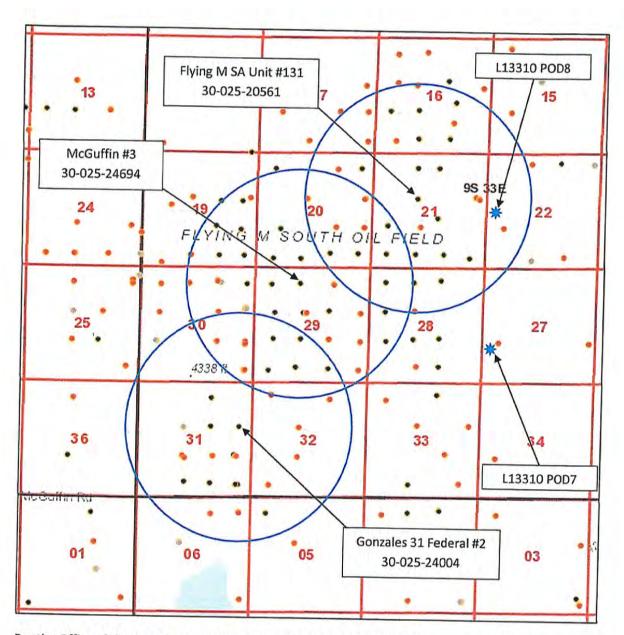
	Formation Wa	ater	
API Number	Formation	TDS	Chlorides
30-025-20640	San Andres	228,048	136,400

	Possible Injectio	n Fluid	
API Number	Formation	TDS	Chlorides
30-025-20641	San Andres	258,032	155,100
30-025-20807	San Andres	237,663	141,000
30-025-21005	San Andres	226,221	134,200
30-025-21038	San Andres	263,094	156,700

Data obtained from GO-Tech NMWAIDS data base.

EXHIBIT "D	D
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Southwest Royalties, Inc. Flying 'M' San Andres Pressure Maintenance Project Expansion 1 Mile AORs for Fresh Water Wells



Per the Office of the State Engineer, only one water well (L13310 POD8) is reported within the 1 mile AORs for the three subject wells.





# New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 36

Township: 09S

Range: 32E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties. expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/8/19 4:27 PM

EXHIBIT "E"

WATER COLUMN/ AVERAGE DEPTH TO WATER

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	been r		(qua	rter	sa	re :	1=N smal	N 2=N lest to	VE 3=SW	/ 4=SE) (NAD8	3 UTM in meters)		(In feet)	
POD Number L 13310 POD7	Code	POD Sub- basin L	County LE	Q 64	Q 16	Q 4	Sec	ACT NO.	Rng	X 633470		Depth	Depth Water C	Water
L 13310 POD8		L	LE	-	-		-	095		633412	3709917	52	35	17
Record Count: 2											Average Depth to Minimum Maximum	Depth:	35 fe 35 fe 35 fe	et

The well in the red box above is the only well located within the 1 mile AOR.

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties. expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/8/19 4:24 PM

EXHIBIT "E"

WATER COLUMN/ AVERAGE DEPTH TO WATER



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 5, 6

Township: 10S

Range: 33E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties. expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/8/19 4:26 PM

EXHIBIT "E"

WATER COLUMN/ AVERAGE DEPTH TO WATER

#### Southwest Royalties, Inc. Fresh Water Well Sample Test Results L13310 POD8



# MARTIN WATER LABS

### Water Analysts and Consultants since 1953

#### **Basic Water Analysis**

 To:
 Tanner Culp

 Company:
 Southwest Royalties

 Address:
 P.O. Box 351 Midland, TX 79702

 Lab #
 19-08-83

 Date Reported:
 08/15/19

 County:
 County:

Lease/Project: Flying M Location: Sample Point: Sample Date: 08/14/19 Sample Received: 08/14/19 Formation:

Parameters: mg/L		Anions mg/L	and the set of the
pH:	7.2	Sulfate	627
Bicarbonate:	102	Chloride	433
Carbonate:	0		400
Hydroxide:	0	Other mg/L	
Temperature (°F):	75	Total Hardness as CaCO3:	1186
Pressure:	-	Total Dissolved Solids:	1783
Dissolved CO2:	11		1705
Dissolved H2S:	ND		
Ionic Strength:	.0574		
Resistivity:	3.770		
Specific Gravity:	1.0025		
Cations mg/L			
Barium:	.352		
Calcium:	326		
Iron:	.015		
Magnesium:	90		
Potassium:	62		
Sodium:	558		
Southin.	220		

**Remarks:** The undersigned believes these results to be accurate to the best of his knowledge and belief.

Bryan R. Ogden, B.S

709 W Indiana Ave Midland, Tx 79701 office@martinwaterlabs.com

(432) 683-4521



Southwest Royalties, Inc. Flying 'M' Field Pressure Maintenance Project Expansion **Geological Affirmative Statement** 

Date: August 14, 2019

To Whom It May Concern:

Southwest Royalties, Inc. has examined the available geological and engineering data concerning the Flying M San Andres Field and has found no evidence of open faults or hydrological connection between the proposed San Andres injection interval and any underground sources of drinking water.

Signed: Arden Myscham Title: <u>Petroleum Engine</u>



#### Southwest Royalties, Inc. Flying 'M' San Andres Field Pressure Maintenance Project Expansion T9S, R33E, Lea County, New Mexico Legal Notice Advertisement

#### Affidavit of Publication

) \$5.

)

COUNTY OF LEA

STATE OF NEW MEXICO

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Manager of THE LOVINGTON LEADER, a once a week newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Legal Notice was published in a regular and entire issue of THE LOVINGTON LEADER and not in any supplement thereof, for one (1) day(s), beginning with the issue of September 19, 2019 and ending with the issue of September 19,2019.

And that the cost of publishing said notice is the sum of \$ 61.26 which sum has been (Paid) as Court Costs.

imeno

Joyce Clemens, Advertising Manager Subscribed and sworn to before me this 26th day of September . 2019.

toot

Gina Fort Notary Public, Lea County, New Mexico My Commission Expires June 30, 2022

S ALLER	Official Seal
Annin	G'NAFORT
16 1835	Notary Public
A second	State of New Merica
1	Vy Carm Expres 6 30/22

#### Legal Notice

Southwest Royalities, Inc. P.O. Box 53576, Midland, TX 79710 has filled a Form C-108 (Application for Authorization to Inject) with the Oil Consorvation Division soeking administrative approval to expand its Flying M San Andros Field Pressure Maintenance Project by converting the three wells acted below from producing oil wells to water injection wells. Injection would be into the San Andros formalion (Flying M San Andros Poel) through perforated intervals as noted below:

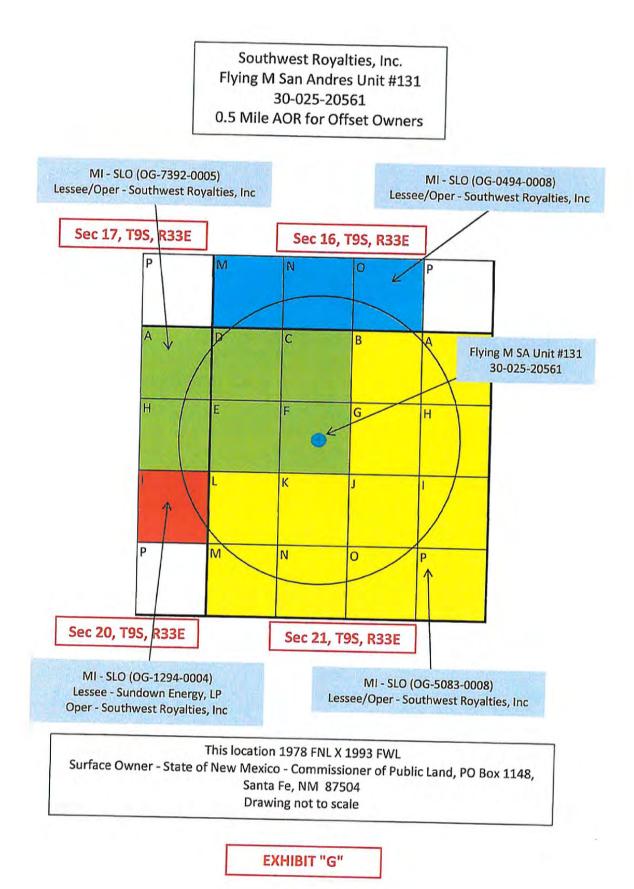
1)	Flying M SA
	FNL x 1993'
	Lea County, I
2)	McGuffin #3,
	FWL, Unit Le
	New Mexico,
3)	Gonzales 31
	1980' FNL x (
	R33E, Loa C
	4261'- 4294

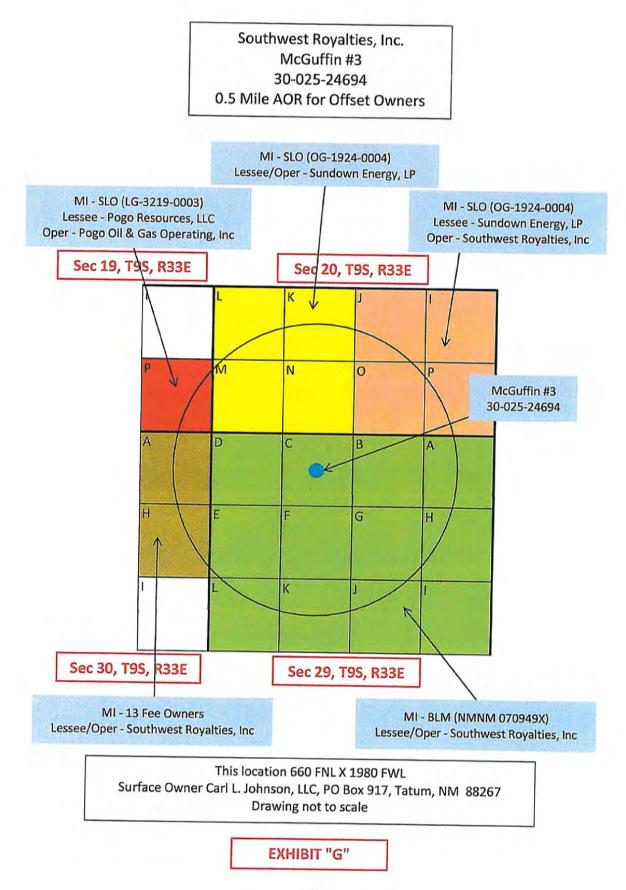
M SA Unit #131, API 30-025-20561 located 1978' 1993' FWL, Unit Letter F, Section 21, T9S, R33E, unity. New Mexico, Injection Interval 4456' to 4518' in #3, API 30-025-2494' located 660' FNL x 1980' Init Letter C, Section 29, T9S, R33E, Loa County, exico, Injection Interval 4354' to 4422' es 31 Feddraf #2, API 30-025-24004 located NL x 660' FEL, Unit Letter H, Section 31, T9S, Loa County, New Mexico, Injection Interval 4294'

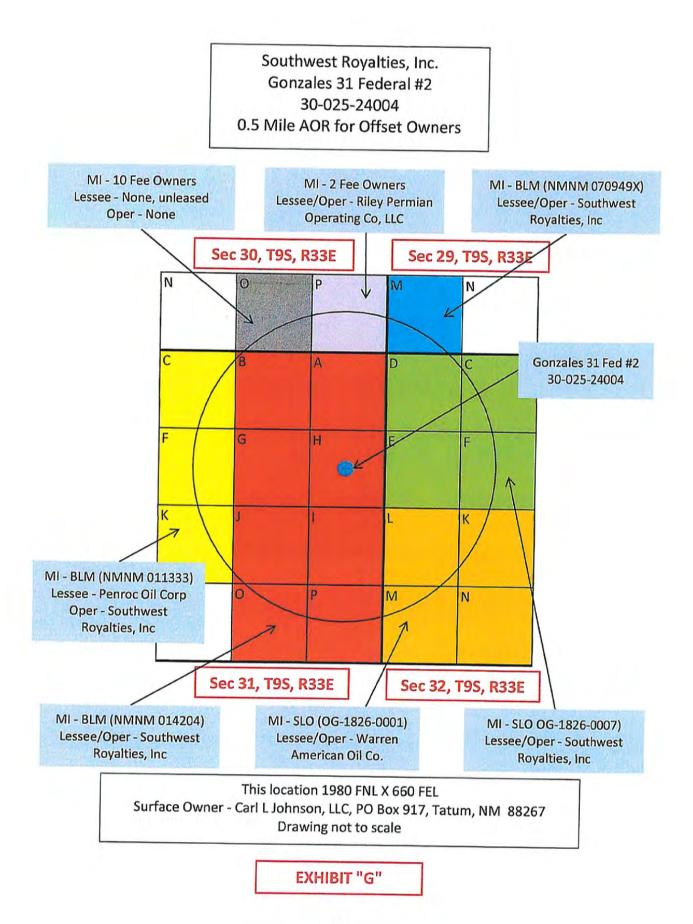
Injected fluid would be produced water from San Andres producing oil wells in the project area. Anticipated injection rates would be 300 BWPD with a maximum rate of 600 BWPD por well. Anticipated injection pressure would be 500 psi with a maximum pressure of 800 psi. These wolls are localed ap-proximately 12 miles northeast of Caprock, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Censervation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87605 within 15 days. Additional information can be obtained by contacting Danny Holcomb at 806-471-5628.

Published in the Lovington Leader September 19, 2019







# Southwest Royalties, Inc Flying 'M' San Andres Field PMX Project Expansion

### EXHIBIT 'G' - NOTIFICATION LIST

### Flying M San Andres Unit #131

#	NAME	ADDRESS	OTV OTATE TO	1.1.1.1.
1	State of New Mexico	TEDITE00	CITY STATE ZIP	TYPE
	Commissioner of Public Land	P. O. Box 1148	Santa Fa NMA 87504	
NA	Lynn Melton Medlin Trust		Santa Fe, NM 87504	Surface Owner
	TEXT MERCIT MEDINI TIUST	P. O. Box 361	Tatum, NM 88267	Surface Lesson

# Section 16, T9S, R33E, NMPM (ULs M, N, O)

#	NAME	ADDRESS	CITY STATE TIP	
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	CITY STATE ZIP	TYPE
NA	Southwest Royalties, Inc	P. O. Box 53570	Santa Fe, NM 87504	Mineral Owner
	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant
100		1.0.000000	Midland, TX 79710-3570	Operator/Applicant

# Section 20, T9S, R33E, NMPM (ULs A, H)

#	NAME	ADDRESS	CITY STATE ZIP	
	State of New Mexico	1.0011200	CITTSTATEZIP	TYPE
	Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant
INA	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Operator/Applicant

# Section 20, T9S, R33E, NMPM (UL I)

#	NAME	ADDRESS	CITY STATE 310	مادي بين
4	State of New Mexico	, IBBREOD	CITY STATE ZIP	TYPE
	Commissioner of Public Land	P. O. Box 1148	Santa Fo MMA 07504	1.62.33727.07
2	Sundown Energy, LP	16400 Dallas Parkway, St 100	Santa Fe, NM 87504	Mineral Owner
NA	Southwest Royalties, Inc		Dallas, TX 75248	Lessee
		P. O. Box 53570	Midland, TX 79710-3570	Operator/Applicant

# Section 21, T9S, R33E, NMPM (ULs A, B, G, H, I, J, K, L, M, N, O, P)

#	NAME	ADDRESS	CITY STATE 210	
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	CITY STATE ZIP	TYPE
	Southwest Royalties, Inc	P. O. Box 53570	Santa Fe, NM 87504	Mineral Owner
	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant
			Midland, TX 79710-3570	Operator/Applicant

# Section 21, T9S, R33E, NMPM (ULs C, D, E, F)

#	NAME	ADDRESS	CITY STATE TID	
	State of New Mexico Commissioner of Public Land	P. O. Box 1148	CITY STATE ZIP	TYPE
2	Sundown Energy, LP	16400 Dallas Parkway, St 100	Santa Fe, NM 87504 Dallas, TX 75248	Mineral Owner
NA	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee Operator/Applicant

# Regulatory Notices (not otherwise shown)

#	NAME State of New Mexico	ADDRESS	CITY STATE ZIP	TYPE
27	NMOCD District 1	1625 N French Drive	Hobbs, NM 88240	Mineral Owner

#### Southwest Royalties, Inc Flying 'M' San Andres Field PMX Project Expansion

#### EXHIBIT 'G' - NOTIFICATION LIST

#### McGuffin #3

7	NAME	ADDRESS	CITY STATE ZIP	TYPE
3 0	Carl L. Johnson, LLC	PO Box 917	Tatum, NM 88267	Surface Owner

#### Section 19, T9S, R33E, NMPM (UL P)

#	NAME	ADDRESS	CITY STATE ZIP	THE
1	State of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	TYPE
4	Pogo Resources, LLC	1515 Calle Sur, St 174	Hobbs, NM 88240	Mineral Owner
4	Pogo Oil & Gas Operaling, Inc	1515 Calle Sur, St 174	Hobbs, NM 88240	Operator

### Section 20, T9S, R33E, NMPM (ULs I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	77/05
1	State of New Mexico Commissioner of Public Land	P. O. Box 1148	10.36 -0.56	TYPE
2	Sundown Energy, LP	16400 Dallas Parkway, St 100	Santa Fe, NM 87504 Dallas, TX 75248	Mineral Owner
IA	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Operator/Applicant

### Section 20, T9S, R33E, NMPM (ULs K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
1	Stale of New Mexico Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	TYPE
2	Sundown Energy, LP	16400 Dallas Parkway, St 100		Mineral Owner
2	Sundown Energy, LP		Dallas, TX 75248	Lessee
-	Cundomi Energy, Er	16400 Dallas Parkway, St 100	Dallas, TX 75248	Operator

# Section 29, T9S, R33E, NMPM (ULs A - I)

#	NAME	ADDRESS	CITY STATE ZIP	TVDC
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street		TYPE
NA	Southwest Royalties, Inc	P. O. Box 53570	Carlsbad, NM 88220 Midland, TX 79710-3570	Mineral Owner
NA	Southwest Royallies, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant Operator/Applicant

#### Section 30, T9S, R33E, NMPM (ULs A, H)

#	NAME	ADDRESS	CITY STATE ZIP	-
28	Noble Energy, Inc	1001 Noble Energy Way	Houston, TX 77070-1435	TYPE
68	Judy Carr	2308 Lakeview Drive	Santa Rosa, CA 95405-8654	Mineral Owner
7B	Jack W. Cash	P. O. Box 329		Mineral Owner
8	John H. Euston Estate c/o Gregory Chisolm Euston	708 Doral Court	Westwood, NJ 07675-0329 Midland, TX 79705-1923	Mineral Owner
9B	Jack Clyde Ferguson Estate c/o Charlotte Crank Ferguson	1118 Wheeler Sireet	Seaside, CA 93955-5927	Mineral Owner
10	Virginia Mandella	31361 Monterey Street		Mineral Owner
118	Estate of Robert E. Marcellus c/o Sallie Marcellus	768 Twin Creeks Way	Laguna Beach, CA 92651-6946 San Luis Obispo, CA 93401-8398	Mineral Owner
12B	Estate of Dorothy Marcellus Walker c/o John H Walker	1252 Carmel Terrace	Los Altos, CA 94024-5508	Mineral Owner
13	Paul B. Miller	28375 Marcalope Lane	Menifeo, CA 92584	Mineral Owner
40	Estate of James C. Mole (Curby's son) c/o Bryan James Mole	789 Grand Court	Santa Maria, CA 93455-4910	Mineral Owner
15	Bernard J. Morrison Estate c/o Nancy G. Machado, Executrix	203 Allan Lane	Corralitos, CA 95076-0390	Mineral Owner
16	Tharon Oliver Morse Estate c/o Thomas Oliver Morse	1660 Deer Creek Road	Monument, CO 80132-9004	Mineral Owner
17	Diane Myler	P. O. Box 82		Mineral Owner
17	Genevieve Agnes Palm, deceased	45800 Challenger Way, Spc 290	Contoocook, NH 03229-0082	Mineral Owner
18	Estate of Genevieve Palm c/o Lea Palm	45800 Challenger Way, Spc 290	Lancaster, CA 93535-1423	Mineral Owner
19	Laurel J. Euler	12669 Miller Avenue	Lancaster, CA 93535-1423	Mineral Owner
A	E. L. Lalham, Jr	726 E. Michigan Drive, Suite 330	Saratoga, CA 95070-4024	Mineral Owner
A	Southwest Royallies, Inc	P. O. Box 53570	Hobbs, NM 88240 Midland, TX 79710-3570	Lessee Operator/Applicant

### Southwest Royalties, Inc Flying 'M' San Andres Field PMX Project Expansion

### EXHIBIT 'G' - NOTIFICATION LIST

#### Gonzales 31 Federal #2

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
3	Carl L. Johnson, LLC	P. O. Box 917	Talum, NM 88267	Surface Owner
		Section 29, T9S, R33E, N	MPM (UL M)	
#	NAME	ADDRESS	CITY STATE ZIP	TOP
5	United States Dept of Interior Bureau of Land Management	620 E. Greene Street	Carlsbad, NM 88220	TYPE
	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Mineral Owner
NA	additive of itoyatoes, the			
	Southwest Royallies, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant Operator/Applicant

#### Section 30, T9S, R33E, NMPM (UL O)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
20	Tanya Todd Mattheyer fbo Dale Todd and TiffanyTodd Decker	P. O. Box 94	Ripley, OK 74062-0094	and the second state of the
21	Jerry D. Jones, Belinda J. Smith, Anthony M. Jones, fbo Monte Sue Dodd Bond, fbo Sandra Dodd Allison c/o Tamara Jones Gunset	3103 CR 7520	Lubbock, TX 79423	Mineral Owner
22	Tamara Michelle Jones Gunset	3103 CR 7520		Mineral Owner
23	DeAun Jones Yarbrough	and the second se	Lubbock, TX 79423	Mineral Owner
-	None - Unleased	5501 St Hwy 36 West	Clyde, TX 79510	Mineral Owner
INA.	Inone - Offeased			Lessee/Operator

#### Section 30, T9S, R33E, NMPM (UL P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
_		S Monte a talk		Mineral Owner
24	Riley Permian Operating Company, LLC	29 E. Reno Avenue, Suite 500	Oklahoma City, OK 73104-4231	Lessee/Operator

### Section 31, T9S, R33E, NMPM (ULs A, B, G, H, I, J, O, P)

#	NAME	ADDRESS	CITY STATE ZIP	TYPE
	United States Dept of Interior Bureau of Land Management	620 E. Greene Street		TYPE
NA	Southwest Royalties, Inc	P. O. Box 53570	Carlsbad, NM 86220	Mineral Owner
NA	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant
100	The second s	IF. 0. BOX 33570	Midland, TX 79710-3570	Operator/Applicant

#### Section 31, T9S, R33E, NMPM (ULs C, F, K)

#	NAME	ADDRESS	CITY STATE ZIP	THE
	United States Dept of Interior Bureau of Land Management	520 E. Greene Street	Carlsbad, NM 88220	TYPE
25	Penroc Oil Corporation	P. O. Box 5970		Mineral Owner
NA	Southwest Royalties, Inc	P. O. Box 53570	Hobbs, NM 88240	Lessee
1.11	Less thread it to yaines, inc	P. O. Box 53570	Midland, TX 79710-3570	Operator/Applicant

### Section 32, T9S, R33E, NMPM (ULs C, D, E, F)

#	NAME	ADDRESS	CITY STATE ZIP	THE
- 1	State of New Mexico		STIT STATE ZIP	TYPE
_	Commissioner of Public Land	P. O. Box 1148	Santa Fe, NM 87504	Mineral Owner
-	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Lessee/Applicant
NA	Southwest Royalties, Inc	P. O. Box 53570	Midland, TX 79710-3570	Operator/Applicant

#### Section 32, T9S, R33E, NMPM (ULs K, L, M, N)

#	NAME	ADDRESS	CITY STATE ZIP	73/05
	State of New Mexico Commissioner of Public Land	B O Building	and the second second second	TYPE
_	Warren American Oil Company	P. O. Box 1148 P. O. Box 470372	Santa Fe, NM 87504	Mineral Owner
	None	1.0.000410572	Tulsa, OK 74147	Lessee
				Operator

mailed 9/26/19 mailed 10/9/19 mailed 10/10/19

EXHIBIT "G"

mailed 10/11/19 mailed 10/16/19 mailed 10/25/19



September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2673.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Front Desk/Reception/Mail Room September 30, 2019, 3:29 pm DALLAS, TX 75248 First-Class Mail <sup>∞</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	
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Recipient Signature	
Signature of Recipient:	X D. Multer
Address of Recipient:	the way way in the work of the

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October 1, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2680.

Status:	Delivered
Status Date / Time:	October 1, 2019, 9:40 am
Location:	TATUM, NM 88267
Postal Product:	First-Class Mail <sup>®</sup>
Extra Services:	Certified Mail <sup>114</sup>
	Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	" Del Almon
Address of Recipient:	Bx 142 917

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	and the second sec		son, LLC	
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September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2635.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual September 30, 2019, 3:39 pm HOBBS, NM 88240 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	Billon
Address of Recipient:	1515 Tell Sur #174

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7017 2680 0000 8751 26	For delivery information, visit our website at www.usps.com*.         HOBBS - NII 28240         Certified Mail Fee \$3.50         Services & Face (check box, add receptore)         Platan Powlet function         Powlet function         Platan Powlet function         Powlet function         Powlet function         Powlet function         Powlet function         Sent To         Sent To         State of 2000, 2004         State of 2004 Adv. Wow         Powlet and Adv



September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2437.

Status:		
Status . Status Date / Time:	Delivered, Left with Individual	
Location:	September 30, 2019, 4:12 pm CARLSBAD, NM 88220	
Postal Product:		
2010/07/2010 12:07/2010 771	First-Class Mail <sup>®</sup>	
Extra Services:	Certified Mail <sup>™</sup>	
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
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Signature of Recipient:	LALII LIDAAE	
Address of Resistant	FZO GALAR	
Address of Recipient:	EQUERT	

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2680 0000 8751 2437	For delivery information, visit our weaking at www.usps.com         CARLSBAD; Mill 88220         Certified Mail Fee         S         Certified Mail Fee         S         S         Certified Mail Fee         S         Certified Mail Fee         S         S         Certified Mail Fee         S         Certified Mail Fee         S         Certified Mail Fee         S         Certified Mail Fee         Certified Mail Fee         S         Certified Mail Receipt (andopy)         S         Certified Mail Restricted Delivery         S         Certified Mail Restricted Delivery *         S         Certified Mail Restricted Delivery *         S         S         S         S         S         S         S
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October 15, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2789.

Status:		
	Delivered, Left with Individual	
Status Date / Time:	October 15, 2019, 11:23 am	
Location:	HOUSTON, TX 77070 First-Class Mail <sup>®</sup>	
Postal Product:		
Extra Services:	Certified Mail <sup>™</sup>	
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
	naur	
Signature of Recipient:	Nerall	
Address of Delite	1001	
Address of Recipient:	noble way	

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Postage S Total Postage and F	\$175	10/09/2019
e	Noble Energy,	Inc
Street Lind Apr. No.;	1001 Noble Er	
City, Stato, 2104.4 .	Houston, TX 7	
PS Form 3800, Ap		



September 28, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2444.

Status:	Delivered	
Status Date / Time:	September 28, 2019, 8:29 am	
Location:	TULSA, OK 74145 First-Class Mail <sup>®</sup>	
Postal Product:		
Extra Services:	Certified Mail™	
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	EUSAU U. TUCARI	
Address of Recipient:	1 la fiar Hazna	

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1	s 16,85 Warron American Oil Co
-	Sent To P. O. Box 470372
ŀ	Suger and Apt. No.
1	CN: State 21414* Tulsa, OK 74147



September 28, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2451.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered September 28, 2019, 11:37 am HOBBS, NM 88240 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	M.Y.Market	
Address of Recipient:	2769	

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September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2420.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered September 30, 2019, 7:22 am SANTA FE, NM 87501 First-Class Mail <sup>®</sup> Certified Mail <sup>™</sup> Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	X august X Asel Sautie
Address of Recipient:	ten 1148

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2420	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only
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2680	s 56.State of New-Mexico
L7	Sent To Commissioner of Public Land
2102	Street and Apt. No., P. O. Box 1148
	Chy, States, 219-24 Santa Fe, NM 87504
	PS Form 3800, Ap



September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: **7017 2680 0000 8751 2468**.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual September 30, 2019, 2:52 pm OKLAHOMA CITY, OK 73104 First-Class Mail <sup>®</sup> Certified Mail <sup>™</sup> Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	T. M. Melain	
Address of Recipient:	/	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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6468	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> REC Domestic Mail Only	EIPT
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	PS Form 3800, Au	



September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2536.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual September 30, 2019, 4:18 pm LANCASTER, CA 93535 First-Class Mail <sup>®</sup> Certified Mail™
	Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	X dee for an
Address of Recipient:	15800 Chelkip 20

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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36	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only	
7017 2660 0000 8751 25	Centried Mail Fee \$3.50 S	a second a s



October 5, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2567.

Status: Status Date / Time:	Delivered	
Location:	October 5, 2019, 10:23 am MONUMENT, CO 80132	
Postal Product:	First-Class Mail®	
Extra Services:	Certified Mail™	
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	prody grouper	
	Druthy J. Horse	
Address of Recipient:	1860 DEER CREEK RE	

Note: Scanned Image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service<sup>6</sup> for your mailing needs. If you require additional assistance, please contact your local Post Office<sup>TM</sup> or a Postal representative at 1-800-222-1811.

2567	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only
7017 2680 0000 8751 25	For delivery information, visit our website at travelups.com.         HONUNENTS       CO SOL32       Low Colspan="2">Control of Sola S2         Cartified Mail Fee       \$3.50       60 00       06 00         Extra Services & Face, proceed core, and her services       0.6 00       0.6 00         Battern Receipt (nucleopt)       \$ 00.00       0.6 00       0.6 00         Battern Receipt (nucleopt)       \$ 00.00       0.6 00       0.6 00         Battern Receipt (nucleopt)       \$ 00.00       0.6 00       0.6 00         Certified Mail Fee       \$ 00.00       \$ 00.00       0.6 00         Battern Receipt (nucleopt)       \$ 00.00       \$ 00.00       \$ 00.00         Certified Mail Signature Restricted Delivery       \$ 00.00       \$ 00.00       \$ 00.00         Actuat Signature Restricted Delivery       \$ 00.00       \$ 00.00       \$ 00.00         Postage       \$ 1.75       \$ 00.00       \$ 00.00       \$ 00.00         Sent 70       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00         \$ Sent 70       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00         \$ State 20000       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00       \$ 00.00
74	



October 3, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2574.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual October 3, 2019, 12:13 pm WATSONVILLE, CA 95076 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	1
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	-1 x J m
Address of Recipient:	203 Allanta.

Thank you for selecting the United States Postal Service<sup>®</sup> for your mailing needs. If you require additional assistance, please contact your local Post Office<sup>™</sup> or a Postal representative at 1-800-222-1811.

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City, State, ZIP4-	Corralitos, CA §	95076-0390
PS Form 3800,	Ap	
73		



October 23, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2796.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual October 23, 2019, 10:48 am LOS ALTOS, CA 94024 First-Class Mail <sup>∞</sup> Certified Mail <sup>™</sup>	
Shipment Details	Return Receipt Electronic	
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	John J WAIK	
Address of Recipient:	1252 CARMALEN	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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2796	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only
Ē	For delivery information, visit our website at www.usps.com®.
0000 8751	LOS ALTOS CA 94024 ALTOS E Certified Mail Fee \$3.50 S Estra Services & Frees (check nos, end fee in Scalphine) Beaum Receipt (factoring) \$ 2020 Certified Mail Dechnick During; \$ 2020 Certified Mail Certified Mail Certifi
7017 2680	Postago 41.75 Total Postage and F Sam To Siroot and Apt. No. Siroot and Apt. No. 252 Carmel Terrace Los Altos, CA 94024-5508 PB Porm 3800, At



October 20, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2741.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered October 19, 2019, 1:28 pm SAN LUIS OBISPO, CA 93401 First-Class Mail <sup>®</sup> Certified Mail™
Shipment Details	Return Receipt Electronic
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	Heseri Omeric
Address of Recipient:	VESLE URRADIZE

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September 28, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2628.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual September 28, 2019, 9:08 am MIDLAND, TX 79705 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic	
Shipment Details		
Weight: Recipient Signature	6.0oz	
Signature of Recipient:	H D	
Address of Recipient:	11D	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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58	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only
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	s John H. Euston Estate
17	Sent To c/o Gregory Chisolm Euston
7017	SHORT AND ADD NO. 708 Doral Court
	ch: sins zerze Midland, TX 79705-1923
	PS Form 3800, Ap



October 21, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2826.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual October 21, 2019, 2:32 pm SEASIDE, CA 93955 First-Class Mail <sup>©</sup> Certified Mail™ Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1144 - F (F (Free )
Address of Recipient:	1118 WHEELER ST SEASIDE, CA 93955	

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October 11, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2666.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual October 10, 2019, 6:00 pm SANTA ROSA, CA 95405 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	Arent	
Address of Recipient:	Agent 2308 Lalardan	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service<sup>®</sup> for your mailing needs. If you require additional assistance, please contact your local Post Office<sup>™</sup> or a Postal representative at 1-800-222-1811.

2665	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only	R
5	For delivery information, visit our viebsite at www.usps.com*.	
-7	SANTA ROSA CA 25404 Andu 12 12 SE	
7017 2680 0000 8751	S 20206	
64	PS Form 9800, An	



October 15, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2772.

Status:	Delivered	
Status Date / Time:	October 15, 2019, 9:51 am	
Location:	WESTWOOD, NJ 07675 First-Class Mail®	
Postal Product:		
Extra Services:	Certified Mail <sup>™</sup>	
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	LA	
oignature of Recipient.	Leonelo Almort	
Address of Recipient:	D C m	
	Po Box 229	

Thank you for selecting the United States Postal Service<sup>®</sup> for your mailing needs. If you require additional assistance, please contact your local Post Office<sup>™</sup> or a Postal representative at 1-800-222-1811.

2772	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> REC Domestic Mail Only	EIPT
7017 2680 0000 8751 27	For delivery information, visit our website         WESTWOOD: NJ 07675 AL         Certified Mail Fee \$3.50         S         Certified Mail Fee \$3.50         S         Certified Mail Fee \$3.50         S         Certified Mail Fee \$3.50         Certified Mail Fee \$3.50         Certified Mail Fee \$3.50         Certified Mail Feetned Delvery         Certified Mail Resetted Delvery         Addit Signature Restricted Delvery         Addit Signature Restricted Delvery         Addit Signature Restricted Delvery         S         S         Total Postage and F         S         S         S         S         S         S         S         S         S         S         S         S         S         S          S	USE 0206 23 Postnark Heru 10/09/2019
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November 8, 2019

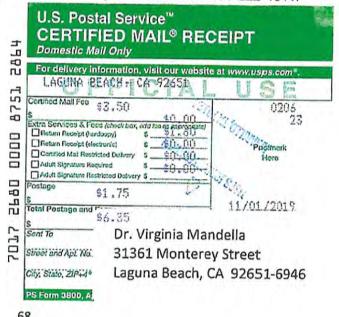
Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2864.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered November 8, 2019, 9:56 am LAGUNA BEACH, CA 92652 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	RANG INT Mandella
Address of Recipient:	336 Martine, St

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September 30, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: **7017 2680 0000 8751 2581**.

Status:	Delivered, Left with Individual	
Status Date / Time:	September 30, 2019, 12:08 pm	
Location:	MENIFEE, CA 92584	
Postal Product:	First-Class Mail <sup>◎</sup>	
Extra Services:	Certified Mail™	
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
Signature of Recipient:	Tuk Mulo Prec Continues	
Address of Recipient:	19372 Misculo R	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service<sup>®</sup> for your mailing needs. If you require additional assistance, please contact your local Post Office<sup>™</sup> or a Postal representative at 1-800-222-1811.

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October 29, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2840.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual October 29, 2019, 3:31 pm SANTA MARIA, CA 93455 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	BMAL BMAL
Address of Recipient:	189 stare

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2840	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only
n.	For delivery information, visit our website at www.usps.com <sup>a</sup> .
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	City, SEMD, 20024* Santa Maria, CA 93455-4910 PS Form 3800, A



October 7, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: **7017 2680 0000 8751 2543**.

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered October 7, 2019, 8:44 am CONTOOCOOK, NH 03229 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	19.0000 C
Recipient Signature		
Signature of Recipient:	Dru Myan	
Address of Recipient:	PO BOX 82	

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2543	U.S. Postal Service" CERTIFIED MAIL <sup>®</sup> RECEIPT Domestic Mail Only	
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October 2, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2529.

Status:	Delivered	
Status Date / Time:	October 2, 2019, 10:46 am	
Location:	SARATOGA, CA 95070 First-Class Mail <sup>®</sup> Certified Mail™	
Postal Product:		
Extra Services:		
	Return Receipt Electronic	
Shipment Details		
Weight:	6.0oz	
Recipient Signature		
	Sa a Seli	
Signature of Recipient:	Laurel J. Ender	
	12000 MILLER AVE	
Address of Recipient:	RAMATSING, ILL STATE AND A LIVE	

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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October 10, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2710.

Item Details	
Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered October 10, 2019, 11:40 am RIPLEY, OK 74062 First-Class Mail <sup>®</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	Marcia Prince
Address of Recipient:	1908 94 14062

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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2710	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL <sup>®</sup> REC Domestic Mall Only	41
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2	\$1.75	001001040
	Total Postage and \$6.85	09/26/2019
7117	Sent To Street and Apt No. City; State; 200428 Ripley, OK 74062	



October 28, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2819.

4.3

Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual October 26, 2019, 2:41 pm LUBBOCK, TX 79423 First-Class Mail <sup>∞</sup> Certified Mail™
Shipment Details	Return Receipt Electronic
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	X Jak
Address of Recipient:	Delan 3/13 82 7521

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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Street and Apt. No., or P City; State, 2/P44* Belinda Jones Smith Anthony Michael Jones 3103 CR 7520	Born Receipt (underpr)     Beturn Receipt (underpr)     Beturn Receipt (electronic)     Contined Mail Received     Adult Signature Required	SULUEU Postmark N
Street and Apt. No., or P City; State, 2/P44* Belinda Jones Smith Anthony Michael Jones 3103 CR 7520	Postage \$1. 5 Total Postage and Fees	75 < 38/16/2019 C
Street and Apt. No., or P City; State, 2/P44* Belinda Jones Smith Anthony Michael Jones 3103 CR 7520		Jerry D. Jones
City: State, 2/P44* 3103 CR 7520	Street and Apr. No., or P	Belinda Jones Smith
PS Form 3800, April 2 Lubbock, TX 79423	The providence of the second state of the second state of the	
	PS Form 3800, April 2	Lubbock, TX 79423



September 28, 2019

Dear Danny Holcomb:

The following is in response to your request for proof of delivery on your item with the tracking number: 7017 2680 0000 8751 2482.

Item Details	
Status: Status Date / Time: Location: Postal Product: Extra Services:	Delivered, Left with Individual September 28, 2019, 4:48 pm LUBBOCK, TX 79423 First-Class Mail <sup>3</sup> Certified Mail™ Return Receipt Electronic
Shipment Details	
Weight:	6.0oz
Recipient Signature	
Signature of Recipient:	1046.1 3103CR
Address of Recipient:	303CR 751 -

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

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	For delivery information, visit our website at www.usps.com*.         LUBBOCK IX 19423         Certified Mail Fac         Certified Mail Fac         Contract Sec watter as upproved         Contract Mail Reported Outway \$ \$0,00         Contract Sec watter Reported Outway \$ \$0,00         Contract Mail Reported Outway \$ \$ \$0,00         Postings         Tamara M. Jones Gunset         Sont To         State 7520         Lubbock, TX 79423         Postings         Postange 200, Ap.



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#### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

#### APPLICATION OF SOUTHWEST ROYALTIES, INC. FOR APPROVAL OF EXPANSION OF PRESSURE MAINTENANCE PROJECT, LEA COUNTY, NEW MEXICO

Case No. 21047

#### SELF-AFFIRMED STATEMENT OF TODD M. YOCHAM

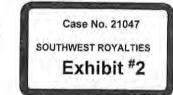
 I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am employed as the Executive Vice President of Southwest Royalties, Inc. ("SRI"). I have a Bachelor of Science degree in Petroleum Engineering from Texas Tech University and am a registered Professional Engineer in Texas. I have 35 years of experience in the oil and gas industry in the Permian Basin. I have not previously testified before the New Mexico Oil Conservation Division ("Division"). A summary of my qualifications is attached hereto as Exhibit A.

3. I am familiar with the Application filed by SRI in this case and with the land, geology, engineering, and regulatory matters that pertain to SRI's Application. A copy of the Application has been provided as Exhibit 1.

#### A. Background

4. SRI's Application seeks authorization to expand the Flying 'M' San Andres Pressure Maintenance Project ("Project" or "Flying M SA Unit") area to include the NE/4 of Section 31, Township 9 South, Range 33 East in Lea County and convert the following producers to injectors: Flying 'M' SA Unit #131 (API No. 30-025-20561), McGuffin #3 (API



No. 30-025-24694), and Gonsales 31 Federal #2 (API No. 30-025-24004). The Flying 'M' SA Unit #131 and McGuffin #3 wells are located within the current Project area, and the Gonsales 31 Federal #2 well is located within the expanded Project area.

5. A copy of SRI's Application for Authorization to Inject (Form C-108) is attached to the Application as Exhibit A. I am familiar with the content of the Form C-108 and signed the form on behalf of SRI.

6. A plat of the Flying M SA Unit is attached hereto as Exhibit B.

7. Information regarding the history of the Project is attached hereto as Exhibit C. The Division issued Order R-3229 approving the Project on May 3, 1967 and subsequently authorized SRI to expand the Project through administrative orders issued on November 28, 1969 (Order PMX-33), July 30, 1998 (Order PMX-197), and September 9, 2003 (Order PMX-222). Order R-3229 is attached hereto as Exhibit D. A map that depicts the history of Project expansions is included in the Form C-108 at page 13.

8. The Project currently consists of 4,960 acres and includes 24 producers, 9 injectors, and 1 shut-in well. As expanded, the Project will include 5,120 acres, 23 producers, and 12 injectors.

# **B.** Proposed Expansion of the Project Area

The current Project area includes the following lands in Township 9 South, Range
 33 East in Lea County:

Section 15: W/2 W/2 Section 16: all Section 17: all Section 20 E/2 and E/2 NW/4 Section 21: all Section 22: W/2 W/2 Section 27: W/2 NW/4 Section 28: N/2, SW/4, and W/2 SE/4 Section 29: all Section 32: NE/4 and E/2 NW/4 Section 33: W/2 NW/4 and NE/4

10. SRI seeks to expand the Project Area to include the NE/4 of Section 31, Township 9 South, Range 33 East in Lea County.

11. The Project area includes three leases: the Flying 'M' San Andres Unit lease (State); the Gonsales 31 Federal lease; and the McGuffin lease (State).

12. 100% of the working interests are committed to the Project and to the proposed expansion.

13. As explained below in Section G, SRI notified all affected parties, including the New Mexico State Land Office and United States Bureau of Land Management, of its Application and the proposed expansion. No objections were received.

## C. Proposed Conversion of Producers to Injectors

14. As explained above, SRI proposes to convert three wells from producers to injectors: the Flying 'M' SA Unit #131, McGuffin #3, and Gonsales 31 Federal #2.

15. The Flying 'M' SA Unit #131 well is located within the current Project area at 1978' FNL and 1993' FWL in Unit F in Section 21, Township 9 South, Range 33 East. The proposed injection interval is located in the San Andres formation at a depth of 4,456 to 4,518 feet, and the proposed maximum injection rate is 600 barrels per day at a maximum injection pressure of 800 psig.

16. The McGuffin #3 well is located within the current Project area at 660' FNL and 1980' FWL in Unit C in Section 29, Township 9 South, Range 33 East. The proposed injection interval is located in the San Andres formation at a depth of 4,354 to 4,422 feet, and the proposed maximum injection rate is 600 barrels per day at a maximum injection pressure of 800

psig. SRI obtained Division approval to plug the well in 2017 but now desires to convert the well to injection to optimize offset production within the pattern.

17. The Gonsales 31 Federal #2 well is located within the expanded Project area at 1980' FNL and 660' FEL in Unit H in Section 31, Township 9 South, Range 33 East. The proposed injection interval is located in the San Andres formation at a depth of 4,261 to 4,294 feet, and the proposed maximum injection rate is 600 barrels per day at a maximum injection pressure of 800 psig.

18. Injection pressures were calculated based on .2 pounds per foot of depth to the top of the uppermost injection perforation.

19. Specifications and wellbore schematics for each well that SRI proposes to convert are provided at pages 4-12 of the Form C-108. Each well will be adequately equipped for injection, and the construction of each well will protect fresh water and other hydrocarbonbearing zones.

20. SRI will run an MIT test prior to commencing injection and will monitor pressure during injection.

## **D.** Offset Wells

21. A map showing the three proposed injection wells in relation to offset wells is provided at page 15 of the Form C-108. Detailed information regarding offset wells located within .5 mile of the proposed injection wells is provided at pages 16-17 of the Form C-108.

22. Schematic diagrams of the wells located within .5 mile of the proposed injection wells that penetrate the injection zone are provided at pages 18-45 of the Form C-108.

23. It is my opinion that remedial work on the offset wells identified in the Form C-108 will not be required in advance of pressure maintenance operations.

# E. Hydrology

24. The only known fresh water formation in the area of the Project is located at a depth of 40 to 50 feet, which is approximately 4,200 feet above the proposed injection interval in the San Andres formation.

25. As shown on pages 46-48 of the Form C-108, only one fresh water well is located within one mile of the proposed injection wells. That well is 52 feet deep and contains water at a depth of 35 feet. Water samples are provided at page 50 of the Form C-108.

26. As provided in the signed statement included at page 51 of the Form C-108, I have examined the available geological and engineering data and have found no evidence of open faults or hydrological connection between the proposed San Andres injection interval and any underground sources of drinking water.

27. With respect to compatibility, injection fluid will consist of produced water from the Flying 'M' San Andres field. A produced water analysis is provided in the Form C-108 at page 45. I do not expect any water compatibility issues to arise from the proposed injection operations.

#### F. Pressure Maintenance Operations

28. Produced water will be injected into the productive San Andres Formation, Flying 'M' San Andres Pool, for the purpose of increasing the ultimate recovery of oil within the Project area at an interval of 4260'to 4518'.

29. There are no overlying productive formations. The nearest underlying productive formation is the Abo, which is approximately 3,000 feet below the San Andres formation.

30. The San Andres formation in the Project area is characterized by stratigraphicstructural controls that are mainly typified by porosity and permeability pinchouts from porous dolomites to evaporites, dolomites, and limestones.

31. A type log of the Lower San Andres Formation is attached hereto as Exhibit E. The log shows the San Andres formation top at 4435' and consists of the A, B, and C zones. The San Andres A top is sealed by a low porosity/low permeability non-oil bearing Grayburg carbonate layer. The lower San Andres C zone trends from oil to a lower water bearing interval. The bottom of the porous San Andres is sealed by a low porosity/low permeability non-oil bearing bearing Glorieta carbonate/sand layer.

32. A structure map is attached hereto as Exhibit F. The map shows the structural contours of the San Andres A zone top. The San Andres formation outcrops at the surface 50-60 miles west of the Flying M Unit. The structural slope is a gentle west to east downward slope into the Delaware Basin.

33. A cross section is attached hereto as Exhibit G. The cross section shows within the injection interval good correlation and excellent continuity and homogeneity across the Project area regarding the San Andres formation. The cross section also shows the relative contrast in the porous San Andres formation and the lower porosity Grayburg sealing layer. Also note the continued gentle structural sloping from west to east within the San Andres interval.

34. There are no faults or other geologic impediments that would impede the efficiency of the expanded Project.

35. Based on my professional training and experience, it is my opinion that the proposed injection operations will not impair any hydrocarbon-bearing zones. It is also my

opinion that injection fluids will be confined to the pressure maintenance interval as a result of the stratigraphic confining layers above and below the injection zone.

#### G. Notice

36. As shown on pages 53-85 of the Form C-108, SRI identified all affected parties and provided notice to those parties, including the NMSLO and BLM, by certified mail.

37. SRI also published notice of the Form C-108. The affidavit of publication is provided at page 52 of the Form C-108.

38. SRI did not receive notice of any objections to its Form C-108.

39. At SRI's direction, notice of the Division's hearing was provided to all affected parties at least 20 days prior to the hearing date. A sample of the hearing notice letter and the associated return receipts are attached hereto as Exhibit H.

40. Notice of the hearing was also published more than ten business days prior to the hearing date. The affidavit of publication is attached hereto as Exhibit I.

41. SRI also discussed its Application with the NMSLO in February of 2020 and understands that the NMSLO does not object to SRI's requests.

42. SRI conducted a diligent, good-faith effort to identify the correct addresses of persons entitled to notice and has complied with the Division's notice requirements.

## H. Conclusion

43. The exhibits referenced above were either prepared by me or under my supervision or were compiled from company business records.

44. In my opinion, the granting of SRI's application would serve the interests of conservation, the prevention of waste, and the protection of correlative rights.

45. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 44 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Todd M. Yocham

4|24|2020

Todd M. Yocham

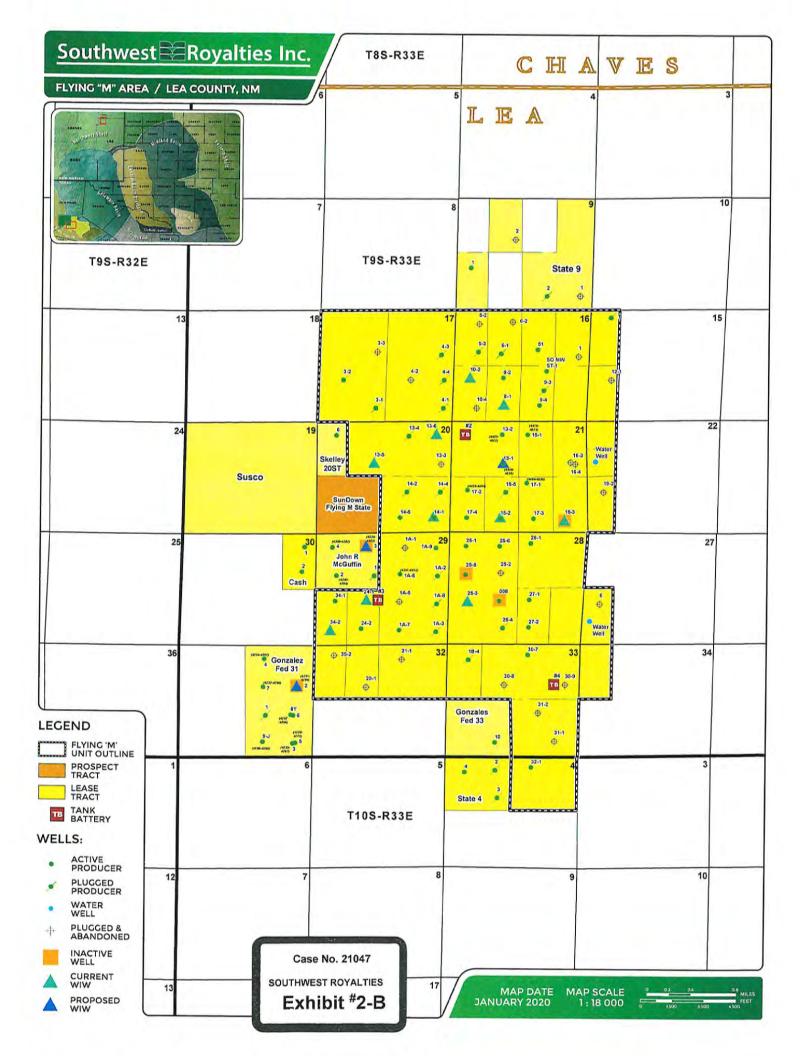
Date

# Southwest 📑 Royalties

Inc.

*Todd M. Yocham*, is an Executive Vice President of Southwest Royalties, Inc. Mr. Yocham worked for several independent oil and gas companies, including Parker and Parsley, Pioneer Natural Resources, Fasken Oil & Ranch, Ltd., and Tandem Energy Corporation. He has served in numerous capacities including reservoir and production engineering, acquisition evaluation, and drilling engineering. Mr. Yocham has a Bachelor of Science degree in Petroleum Engineering from Texas Tech University. He is a Registered Professional Engineer in Texas. Mr. Yocham has 35 years of experience in the oil and natural gas industry in the Permian Basin.







Expansion of the Project was Approved September 9, 2003 (Order PMX-222)

Case No. 21047 SOUTHWEST ROYALTIES Exhibit #2-C

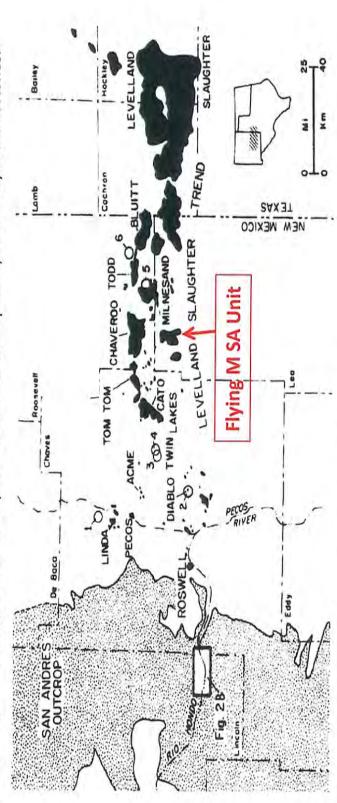


Inc.

# Introduction and History

County, New Mexico. The field lies along the southern edge of the east-west aligned Levelland-Slaughter trend. The Flying M San Andres field is located within the Northwest Shelf area of the Tatum Basin, in northern Lea

These San Andres reservoirs are characterized by stratigraphic-structural controls which are mainly typified by porosity and permeability pinchouts from porous dolomites to evaporites, dolomites, and limestones.



was completed in the San Andres through perforations between 4502' and 4518'. This well initially pumped "Bough C" wildcat. This well, the Coastal States Gas Producing Company's #1 Skelly-State (now FMU #131), The Flying M San Andres field was discovered in 1964 during the drilling of a failed deeper Pennsylvanian 493 bopd.

Southwest

Inc.

Between the years of 1964 to 1967 a total of fiftyone San Andres wells were drilled within the Flying M field. In 1967 Coastal States unitized the field and initiated a water injection-pressure maintenance program. Thirteen more San Andres wells were drilled between 1967 and 1974. Some of these wells were drilled as injection wells and some previous producing wells were converted over to injection wells. A total of sixty-six San Andres production and injection wells have been drilled within the unit.

The Flying M San Andres Unit (FMU) consists of 4,960 acres. The unit is developed on 40 acre spacing with 2720 acres which have been drilled and 2,240 acres still untested.

Currently, the FMU lease has 24 Producers, 9 WIW's, and 1 Shut-in well. The Gonsales 31 Federal lease has 6 Producers and 1 Shut-in well. The McGuffin lease has 2 Producers and 1 Shut-in well.

	Southwest Royalties Inc. 13-6131	CHAVES	L. E. A.	* * ***	P - o		2 - 2 2 - 2 2 - 2 - 2 2 - 2 - 2 2 - 2 -	х 8 1 <sub>6</sub> 16 1. 1.	Downers 11 Han 1		9 
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BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

Sontered May 3, 1967

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 3555 Order No. R-3229

APPLICATION OF COASTAL STATES GAS PRODUCING COMPANY FOR A PRESSURE MAINTENANCE EXPANSION, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 26, 1967, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this <u>3rd</u> day of May, 1967, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

#### FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That by Order No. R-3033, entered in Case No. 3366 on February 3, 1966, Coastal States Gas Producing Company was authorized to institute a pilot pressure maintenance project designated the Coastal States Flying "M" Pressure Maintenance Project in the Flying "M" San Andres Pool, Lea County, New Mexico, by the injection of water into the San Andres formation through three injection wells in Sections 15, 21, and 33, Township 9 South, Range 33 East, NMPM, Lea County, New Mexico.

(3) That by Administrative Order PMX No. 23, dated December 27, 1966, Coastal States Gas Producing Company was authorized to expand said project by the conversion to water injection of its FM "B" Well No. 3 located in Unit F of Section 17, Township 9 South, Range 33 East, NMPM, Lea County, New Mexico.

Case No. 21047	
SOUTHWEST ROYALT	TES
Exhibit #2-	D

-2-CASE No. 3555 Order No. R-3229

(4) That Coastal States Gas Producing Company is the operator of the Flying "M" San Andres Unit approved by Order No. R-3220 on April 26, 1967.

(5) That the applicant, Coastal States Gas Producing Company, seeks authority to expand the pressure maintenance project in its Flying "M" San Andres Unit by the injection of water into the San Andres formation through four additional injection wells located in Sections 16, 20, 22, and 29, Township 9 South, Range 33 East, NMPM, Lea County, New Mexico.

(6) That a pressure maintenance project comprising the Flying "M" San Andres Unit Area is in the interest of conservation and should result in greater ultimate recovery of oil, thereby preventing waste.

(7) That the applicant further seeks the promulgation of special rules and regulations governing said pressure maintenance project, and the establishment of an administrative procedure whereby additional wells in the project area may be converted to water injection.

(8) That special rules and regulations for the operation of the Coastal States Gas Producing Company Flying "M" San Andres Pressure Maintenance Project should be promulgated and, for operational convenience, such rules should provide certain flexibility in authorizing the production of the project allowable from any well or wells in the project in any proportion, provided that no well in the project area which directly or diagonally offsets a well outside the Flying "M" San Andres Unit Area producing from the same common source of supply should be allowed to produce in excess of top unit allowable for the Flying "M" San Andres Pool until such time as the well has experienced a substantial response to water injection. When such a response has occurred, the well should be permitted to produce up to two times top unit allowable for the Flying "M" San Andres Pool. Production of such well at a higher rate should be authorized only after notice and hearing.

(9) That Order No. R-3033 and Administrative Order PMX No. 23 should be superseded.

IT IS THEREFORE ORDERED:

(1) That Order No. R-3033 and Administrative Order PMX No. 23 are hereby superseded.

-3-CASE No. 3555 Order No. R-3229

(2) That the applicant, Coastal States Gas Producing Company, is hereby authorized to operate a pressure maintenance project in its Flying "M" San Andres Unit Area, Flying "M" San Andres Pool, Lea County, New Mexico, to be designated as the Coastal States Gas Producing Company Flying "M" San Andres Pressure Maintenance Project, by the injection of water into the San Andres formation through the following-described wells in Township 9 South, Range 33 East, NMPM, Lea County, New Mexico:

Coastal States Gas Producing Company

Flying "M" San Andres Unit Tract 11, Well No. 1, located in Unit L of Section 15;

Flying "M" San Andres Unit Tract 5, Well No. 2, located in Unit D of Section 16;

Flying "M" San Andres Unit Tract 3, Well No. 3, located in Unit F of Section 17;

Flying "M" San Andres Unit Tract 12, Well No. 5, located in Unit F of Section 20;

Flying "M" San Andres Unit Tract 17, Well No. 2, located in Unit L of Section 22;

Flying "M" San Andres Unit Tract 1-A, Well No. 1, located in Unit B of Section 29; and

Flying "M" San Andres Unit Tract 1-B, Well No. 4, located in Unit D of Section 33.

(3) That Special Rules and Regulations governing the operation of the Coastal States Gas Producing Company Flying "M" San Andres Pressure Maintenance Project, Lea County, New Mexico, are hereby promulgated as follows:

#### SPECIAL RULES AND REGULATIONS FOR THE COASTAL STATES GAS PRODUCING COMPANY

FLYING "M" SAN ANDRES PRESSURE MAINTENANCE PROJECT

<u>RULE 1</u>. The project area of the Coastal States Gas Producing Company Flying "M" San Andres Pressure Maintenance Project, hereinafter referred to as the Project, shall comprise the area described as follows: -4-CASE No. 3555 Order No. R-3229

> LEA COUNTY, NEW MEXICO <u>TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM</u> Section 15: W/2 W/2 Section 16: All Section 17: All Section 20: E/2 and E/2 NW/4 Section 21: All Section 22: W/2 W/2 Section 27: W/2 NW/4 Section 28: N/2, SW/4, and W/2 SE/4 Section 29: E/2 and E/2 W/2 Section 32: NE/4 and E/2 NW/4 Section 33: W/2 NW/4

<u>RULE 2</u>. The allowable for the Project shall be the sum of the allowables of the several wells within the project area, including those wells which are shut-in, curtailed, or used as injection wells. Allowables for all wells shall be determined in a manner hereinafter prescribed.

<u>RULE 3.</u> Allowables for injection wells may be transferred to producing wells within the project area, as may the allowables for producing wells which, in the interest of more efficient operation of the Project, are shut-in or curtailed because of high gas-oil ratio or are shut-in for any of the following reasons: pressure regulation, control of pattern or sweep efficiencies, or to observe changes in pressures or changes in characteristics of reservoir liquids or progress of sweep.

<u>RULE 4</u>. The allowable assigned to any well which is shut-in or which is curtailed in accordance with the provisions of Rule 3, which allowable is to be transferred to any well or wells in the project area for production, shall in no event be greater than its ability to produce during the test prescribed by Rule 6, below, or greater than the current top unit allowable for the pool during the month of transfer, whichever is less.

RULE 5. The allowable assigned to any injection well on an 80-acre proration unit shall be top unit allowable for the Flying "M" San Andres Pool.

<u>RULE 6</u>. The allowable assigned to any well which is shut-in or curtailed in accordance with Rule 3, shall be determined by a 24-hour test at a stabilized rate of production, which shall be the final 24-hour period of a 72-hour test throughout which the

4

-5-CASE No. 3555 Order No. R-3229

well should be produced in the same manner and at a constant rate. The daily tolerance limitation set forth in Commission Rule 502 I (a) and the limiting gas-oil ratio (2,000 to 1) for the pool shall be waived during such tests. The project operator shall notify all operators offsetting the well, as well as the Commission, of the exact time such tests are to be conducted. Tests may be witnessed by representatives of the offsetting operators and the Commission, if they so desire.

RULE 7. The allowable assigned to each producing well in the Project shall be equal to the well's ability to produce or to top unit allowable for the pool, whichever is less, provided that any producing well in the project area which directly or diagonally offsets a well outside the project area producing from the same common source of supply shall not produce in excess of two times top unit allowable for the pool. Each producing well shall be subject to the limiting gas-oil ratio (2,000 to 1) for the pool, except that any well or wells within the project area producing with a gas-oil ratio in excess of 2,000 cubic feet of gas per barrel of oil may be produced on a "net" gas-oil ratio basis, which net gas-oil ratio shall be determined by applying credit for daily average gas injected, if any, into the pool within the project area to such high gas-oil ratio well. The daily adjusted oil allowable for any well receiving gas injection credit shall be determined in accordance with the following formula:

$$\frac{A_{adj}}{\frac{P_g - I_g}{P_o}} = \frac{TUA \times F_a \times 2,000}{\frac{P_g - I_g}{P_o}}$$

where:

A <sub>adj</sub>	= the well's daily adjusted allowable
TUA	= top unit allowable for the pool
Fa	= the well's acreage factor
Pg	= average daily volume of gas produced by the well during the preceding month, cubic feet
a	the well's allocated share of the daily average gas injected during the preceding month, cubic feet

-6-CASE No. 3555 Order No. R-3229

> P<sub>o</sub> = average daily volume of oil produced by the well during the preceding month, barrels

In no event shall the amount of injected gas being credited to a well be such as to cause the net gas-oil ratio,  $\frac{P_g - I_g}{P_o}$ , to

be less than 2,000 cubic feet of gas per barrel of oil produced.

<u>RULE 8</u>. Credit for daily average net water injected into the pool through any injection well located within the project area may be converted to its gas equivalent and applied to any well producing with a gas-oil ratio in excess of two thousand cubic feet of gas per barrel of oil. Total credit for net water injected in the project area shall be the gas equivalent volume of the daily average net water injected during a one-month period. The daily average gas equivalent of net water injected shall be computed in accordance with the following formula:

$$E_{g} = (V_{w \text{ inj}} - V_{w \text{ prod}}) \times 5.61 \times \frac{P_{a}}{15.025} \times \frac{520^{\circ} \times 1}{T_{r}}$$

where:

Eg	<ul> <li>Average daily gas equivalent of net water injected, cubic feet</li> </ul>
V <sub>w inj</sub>	<ul> <li>Average daily volume of water injected, barrels</li> </ul>
V <sub>w</sub> prod	<ul> <li>Average daily volume of water produced, barrels</li> </ul>
5.61	= Cubic foot equivalent of one barrel of water
Pa	= Average reservoir pressure at mid-point of the pay-zones of the pool in the project area, psig + 14.0, as determined from most recent survey
15.025	= Pressure base, psi
520 <sup>0</sup>	<ul> <li>Temperature base of 60<sup>O</sup>F expressed as absolute temperature</li> </ul>
Tr	<ul> <li>Reservoir temperature of 115<sup>o</sup>F expressed as absolute temperature (575<sup>o</sup>R)</li> </ul>

-7-CASE No. 3555 Order No. R-3229

 $\mathbf{Z}$ 

Compressibility factor from analysis of Flying "M" San Andres gas at average reservoir pressure, P<sub>a</sub>, interpolated from compressibility tabulation below:

Reservoir		Reservoir		Reservoir	
Pressure	Z	Pressure	z	Pressure	z
50	.986	500	.847	1000	.694
100	.970	600	.816	1100	.663
200	.940	700	.786	1200	.633
300	.909	800	.755		
400	.878	900	.724		

<u>RULE 9</u>. Each month the project operator shall, within three days after the normal unit allowable for Southeast New Mexico has been established, submit to the Commission a Pressure Maintenance Project Operator's Report, on a form prescribed by the Commission, outlining thereon the data required, and requesting allowables for each of the several wells in the Project as well as the total Project allowable. The aforesaid Pressure Maintenance Project Operator's Report shall be filed in lieu of Form C-120 for the Project.

<u>RULE 10</u>. The Commission shall, upon review of the report and after any adjustments deemed necessary, calculate the allowable for each well in the Project for the next succeeding month in accordance with these rules. The sum of the allowables so calculated shall be assigned to the Project and may be produced from the wells in the Project in any proportion except that no well in the Project which directly or diagonally offsets a well outside the Project producing from the same common source of supply shall produce in excess of two times top unit allowable for the pool.

<u>RULE 11</u>. The conversion of producing wells to injection, the drilling of additional wells for injection, and expansion of the project area shall be accomplished only after approval of the same by the Secretary-Director of the Commission. To obtain such approval, the project operator shall file proper application with the Commission, which application, if it seeks authorization to convert additional wells to injection or to drill additional injection wells shall include the following:

(1) A plat showing the location of proposed injection well, all wells within the project area, and offset operators, locating wells which offset the project area.

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-8-CASE No. 3555 Order No. R-3229

(2) A schematic drawing of the proposed injection well which fully describes the casing, tubing, perforated interval, and depth showing that the injection of gas or water will be confined to the San Andres formation.

(3) A letter stating that all offset operators to the proposed injection well have been furnished a complete copy of the application and the date of notification.

The Secretary-Director may approve the proposed injection well if, within 20 days after receiving the application, no objection to the proposal is received. The Secretary-Director may grant immediate approval, provided waivers of objection are received from all offset operators.

Expansion of the project area may be approved by the Secretary-Director of the Commission administratively when good cause is shown therefor.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO CONSERVATION COMMISSION OIL n DAVID F. CARGO, Cha man

GUYTON B. HAYS, Member ila £

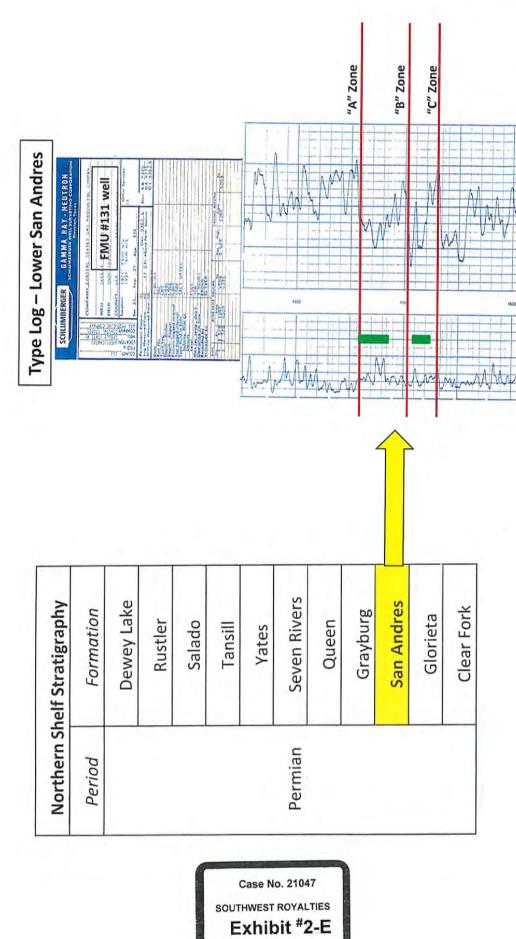
A. L. PORTER, Jr., Member & Secretary

SEAL

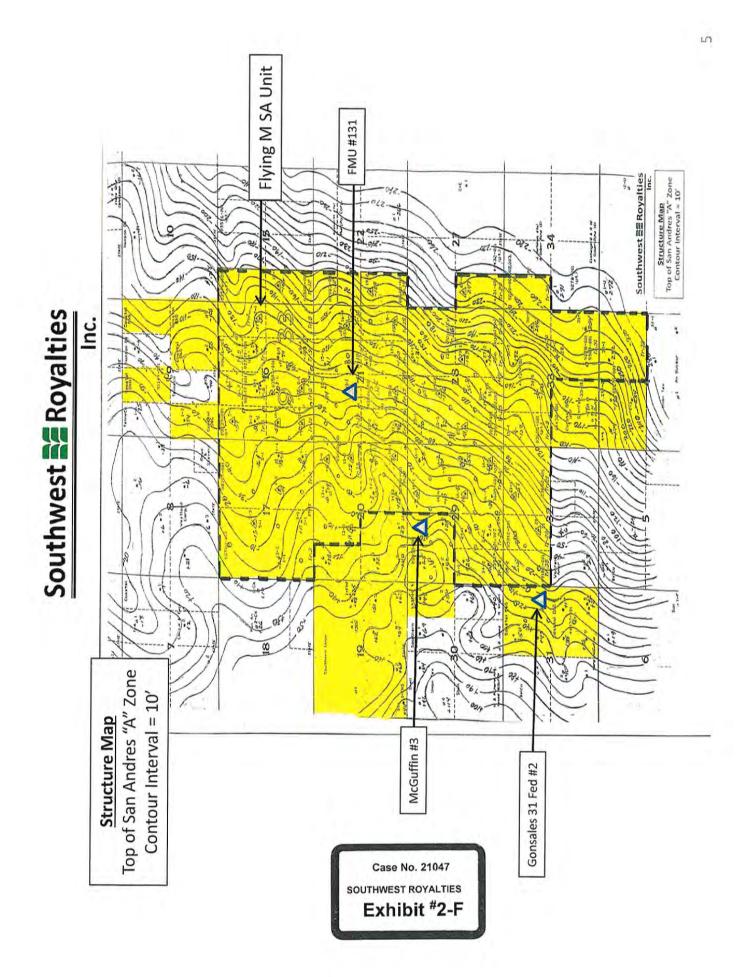
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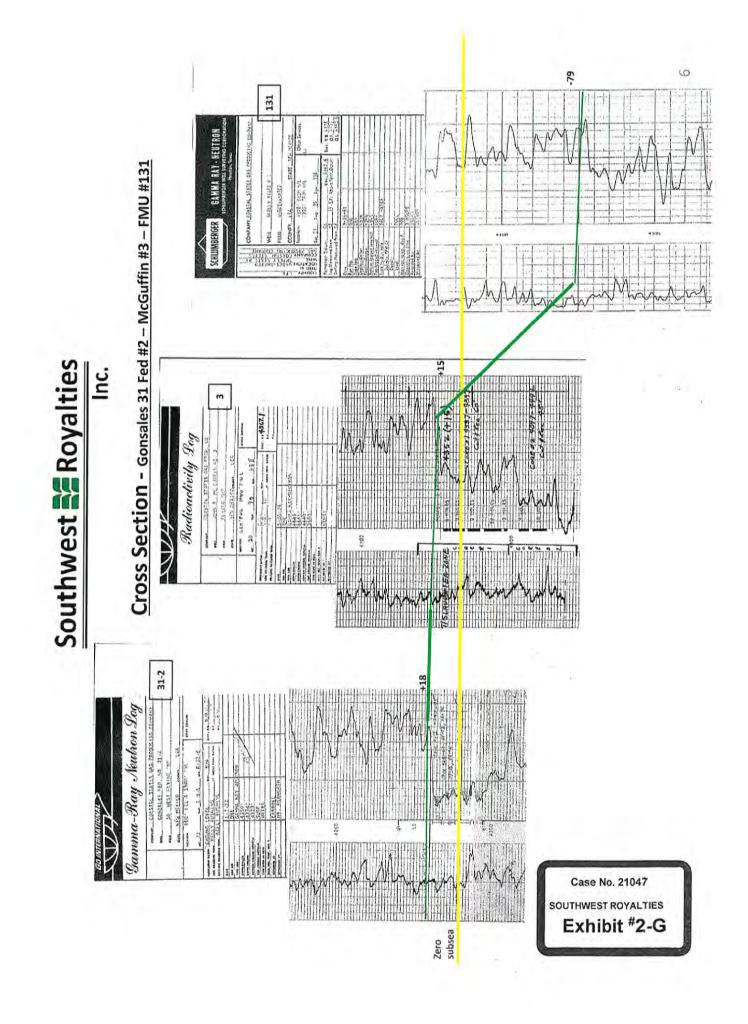
Southwest 🚼 Royalties

Inc.



4







### HINKLE SHANOR LLP

ATTORNEYS AT LAW PO BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

WRITER

Dana S. Hardy, Partner dhardy@hinklelawfirm.com

January 13, 2020

#### VIA CERTIFIED MAIL

Carl L. Johnson, LLC P.O. Box 917 Tatum, NM 88267

Re: Oil Conservation Division Application of Southwest Royalties, Inc.

Dear Sir or Madam:

Enclosed is a copy of an application that Southwest Royalties, Inc. ("SRI") has filed with the New Mexico Oil Conservation Division ("the Division"). SRI's application seeks authorization to expand the Flying 'M' San Andres Pressure Maintenance Project area to include the NE/4 of Section 31, Township 9 South, Range 33 East in Lea County and convert the following producing wells to injection wells: Flying 'M' SA Unit #131, McGuffin #3, and Gonsales 31 Federal #2.

This matter (Division Case No. 21047) is scheduled for hearing at 8:15 a.m. on Thursday, February 6, 2020 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Carl L. Johnson, LLC ("Johnson") is not required to attend this hearing, but as an owner of an interest that may be affected by SRI's application, it may appear at the hearing and present testimony. If Johnson does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, January 30, 2020. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

If you would like a copy of the eighty-nine page Division Form C-108 that is Exhibit A to the enclosed application, please contact me at (505) 982-4554 or dhardy@hinklelawfirm.com. Alternatively, a digital copy of the Form C-108 is available in the case file on the Division's website, www.emmrd.state.nm.us/OCD.

Thank you for your attention to this matter.

Vony truly your Dana S. Hardy

Case No. 21047 SOUTHWEST ROYALTIES

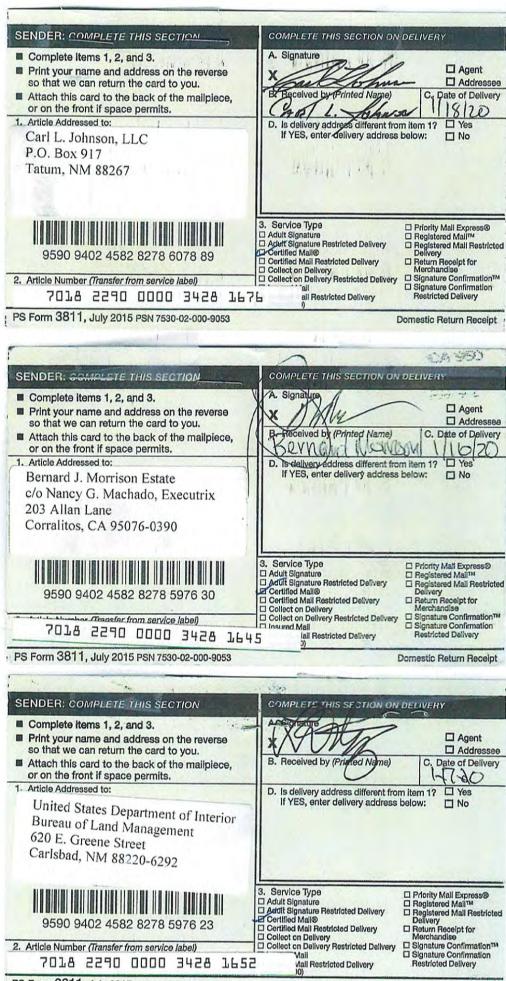
Exhibit #2-H

Enclosure

PO BOX 10 ROSWELL, NEW MEXICO 88202 575-622-8610 (FAX) 575-623-9332 PO BOX 1720 ARTESIA, NEW MEXICO 88211 575-622-6510 (FAX) 575-746-6316

PO BOX 2068 SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

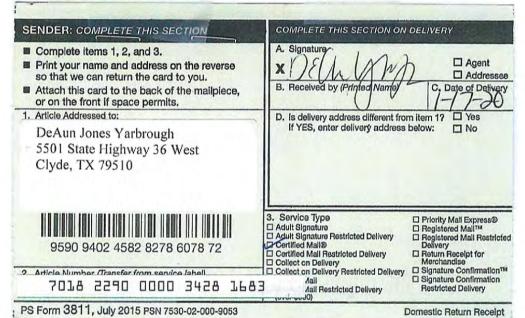
7601 JEFFERSON ST NE • SUITE 180 ALBUOUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321



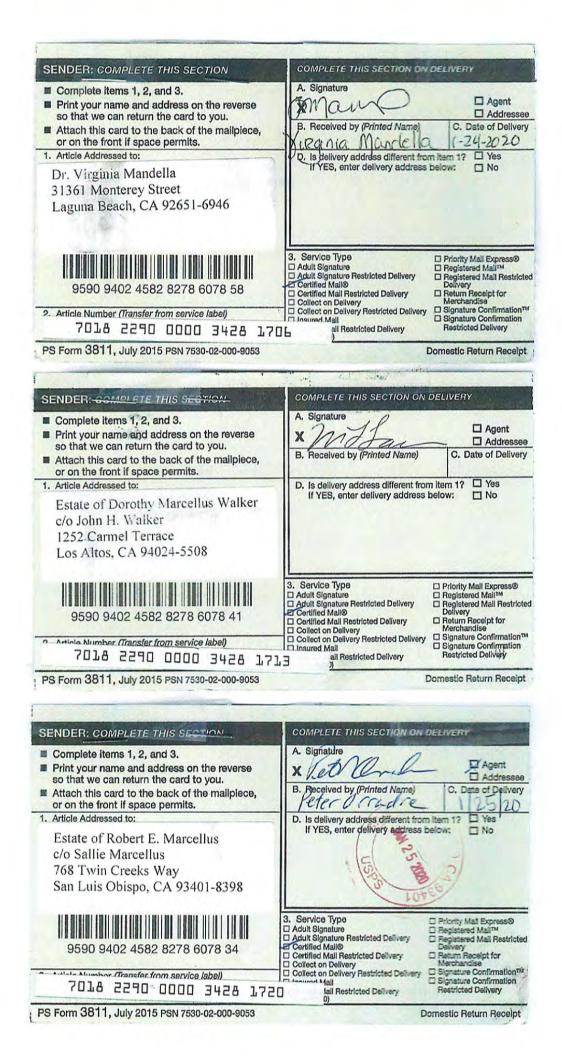
PS Form 3811, July 2015 PSN 7530-02-000-9053

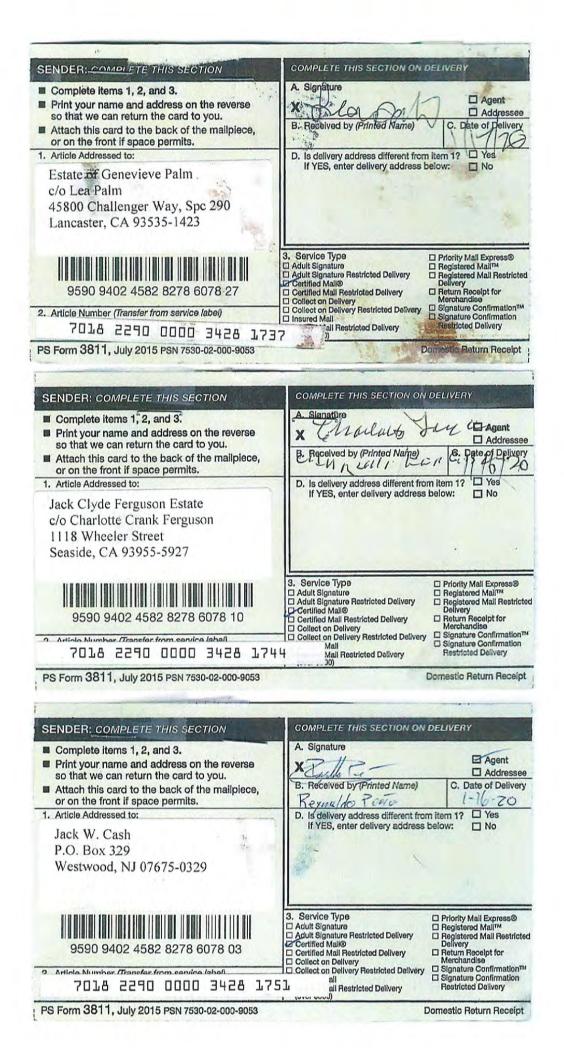
Domestic Return Receipt





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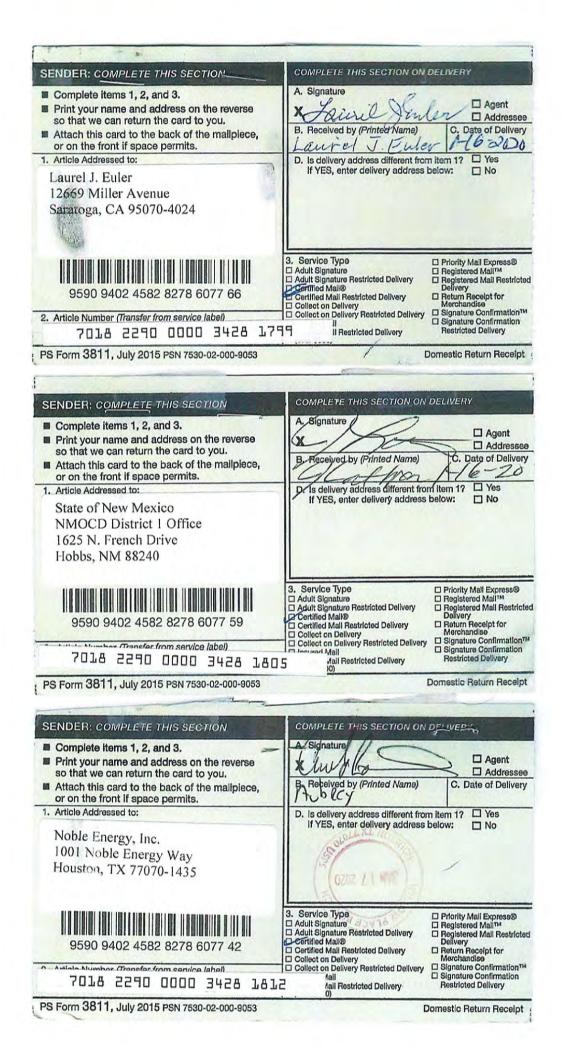


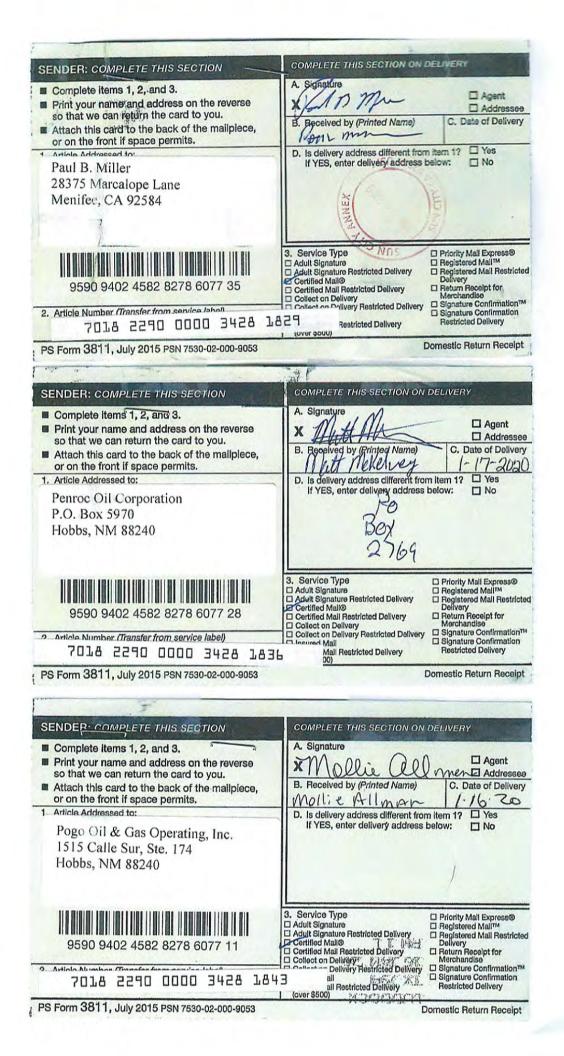




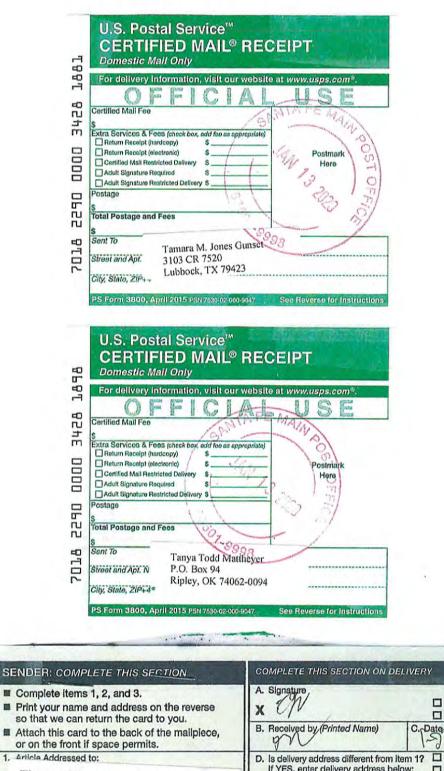


SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON	DELIVERY
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signatúre X. Hogent B. Received by (Printed Name)	C. Date of Delivery
1. Article Addressed to: Judy Carr 4717 Guenza Road Santa Rosa, CA 95404-9733	D. Is delivery address different from If YES, enter delivery address	
9590 9402 4582 8278 6077 73 2. Article Number (Transfer from service label) 7018 2290 0000 3428 178	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail® Conticted Mail® Collect on Delivery Collect on Delivery Restricted Delivery Insured Mail Adult Restricted Delivery	Priority Mali Express®     Registered Mail™     Registered Mail™     Registered Mail Restricter     Delivery     Return Receipt for     Merchandise     Signature Confirmation     Restricted Delivery









Complete items 1, 2, and 3. Agent Print your name and address on the reverse Addressee so that we can return the card to you. C. Date of Delivery Attach this card to the back of the mallpiece, or on the front if space permits. 1. Article Addressed to: T Yes If YES, enter delivery address below: D No Tharon Oliver Morse Estate c/o Thomas Oliver Morse 1660 Deer Creek Road Monument, CO 80132-9004 Service Type 3. Priority Mall Express®
 Registered Mall<sup>™</sup> Adult Signature Registered Mail Restricted Delivery
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## Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I. Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

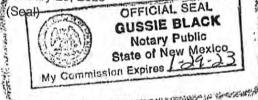
> Beginning with the issue dated January 15, 2020 and ending with the issue dated January 15, 2020.

Publisher

Sworn and subscribed to before me this 15th day of January 2020.

**Business Manager** 

My commission expires www. January 29, 2023



This newspaper is duly qualified to publish legal notices or advertisement legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL

LEGAL NOTICE JANUARY 15, 2020

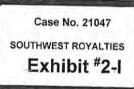
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HINKLE, HENSLEY, SHANOR & MARTIN, LLP PO BOX 2068 **SANTA FE, NM 87504** 



#### STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

#### APPLICATION OF SOUTHWEST ROYALTIES, INC. FOR APPROVAL OF EXPANSION OF PRESSURE MAINTENANCE PROJECT, LEA COUNTY, NEW MEXICO

Case No. 21047

#### SELF-AFFIRMED STATEMENT OF TANNER P. CULP

 I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am employed by Southwest Royalties, Inc. ("SRI") as an Operations Engineer. I have a Bachelor of Science degree in Petroleum Engineering and a Masters of Business Administration from Texas Tech University. I have worked as a reservoir, drilling, completions, production, and facilities engineer. I have not previously testified before the New Mexico Oil Conservation Division ("Division"). A summary of my qualifications is attached hereto as Exhibit A.

I am familiar with the Application filed by SRI in this case.

4. A production curve and injection well analysis for the Flying 'M' San Andres Project ("Project" or "Flying M SA Unit") is attached hereto as Exhibit B. The curve shows a reservoir decline in the Flying "M" SA Unit within a controlled yearly range of study from 2007 to 2012. Within this range of study, four injection wells were added to the Flying 'M' field. Based on my reservoir engineering training and experience, it is my understanding that the reservoir decline was reduced from approximately 5% to 2.5% subsequent to the addition of these four



supporting injection wells. It is my professional opinion that this proves efficiencies in increasing recoverable oil reserves in the Flying 'M' SA Unit.

5. Exhibit C to my Self-Affirmed Statement depicts the rate at which production has declined within the Flying "M" unit between 2000 and the present. Based on my professional training and experience, it is my opinion that the decline will continue at a rate of approximately 5% in the absence of additional injection wells.

6. Exhibit D to my Self-Affirmed Statement depicts the estimated decline in production subsequent to the addition of the injection wells discussed in SRI's Application and shows a decline rate of 2.5%. Based on my professional training and experience, it is my opinion that the addition of the three injection wells will increase production within the Project.

7. Exhibit E to my Self-Affirmed Statement includes a type curve, the current rate of decline, and the estimated rate of decline for the Gonzales 31 Federal lease. These documents show a pre-injection decline of 6% and a post-injection decline of 3%.

8. Exhibit F to my Self-Affirmed Statement includes a type curve, the rate of current decline, and the estimated rate of decline for the McGuffin lease. These documents show a pre-injection decline of 4% and a post-injection decline of 2.5%.

9. An Incremental Production and Economic Summary is attached hereto as Exhibit G. The summary shows an economic comparison of continuing operations under current conditions with no additional injection support as opposed to adding three new injection wells to the Project. It is my opinion that adding the three proposed new injection wells to the Flying 'M' SA Unit would result in an incremental Estimated Ultimate Recovery (EUR) increase of 464 Mbbl of oil, therefore increasing the value of the property discounted at 9% (PV-9) by 1,938 M\$.

2

10. Based on the above information and analyses, it is my opinion that the Project area has been so depleted that it is prudent to utilize pressure maintenance operations to maximize recovery of oil.

 It is also my opinion that the proposed conversion of producers to injectors for pressure maintenance operations is not premature.

12. The proposed expansion of the Project is economically and technically feasible.

 The exhibits referenced above were either prepared by me or under my supervision or were compiled from company business records.

14. In my opinion, the granting of SRI's Application would serve the interests of conservation, the prevention of waste, and the protection of correlative rights.

15. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 14 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

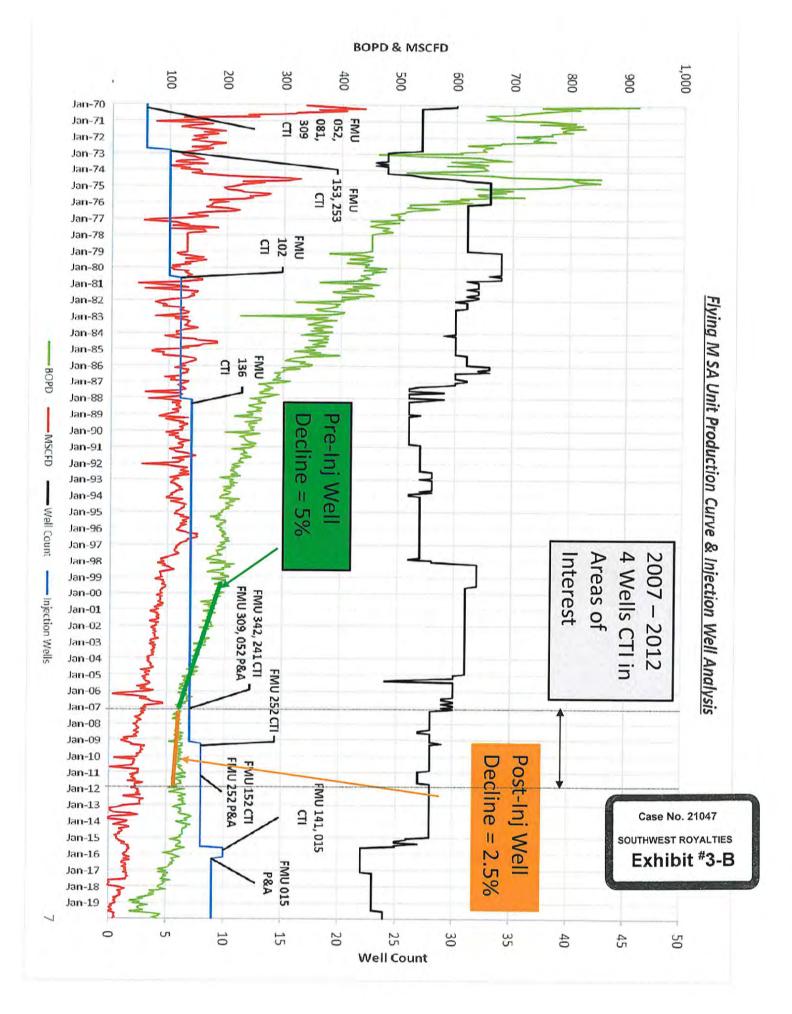
Tanner P. Culp

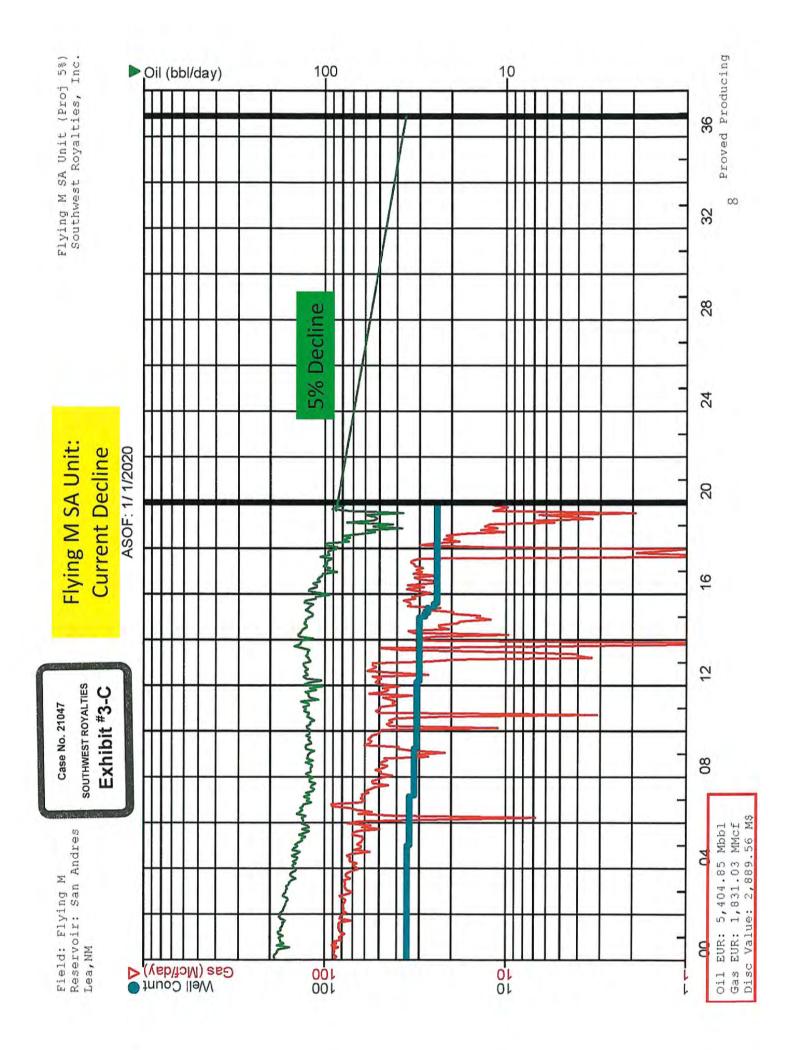
<u>April 23, 2020</u> Date

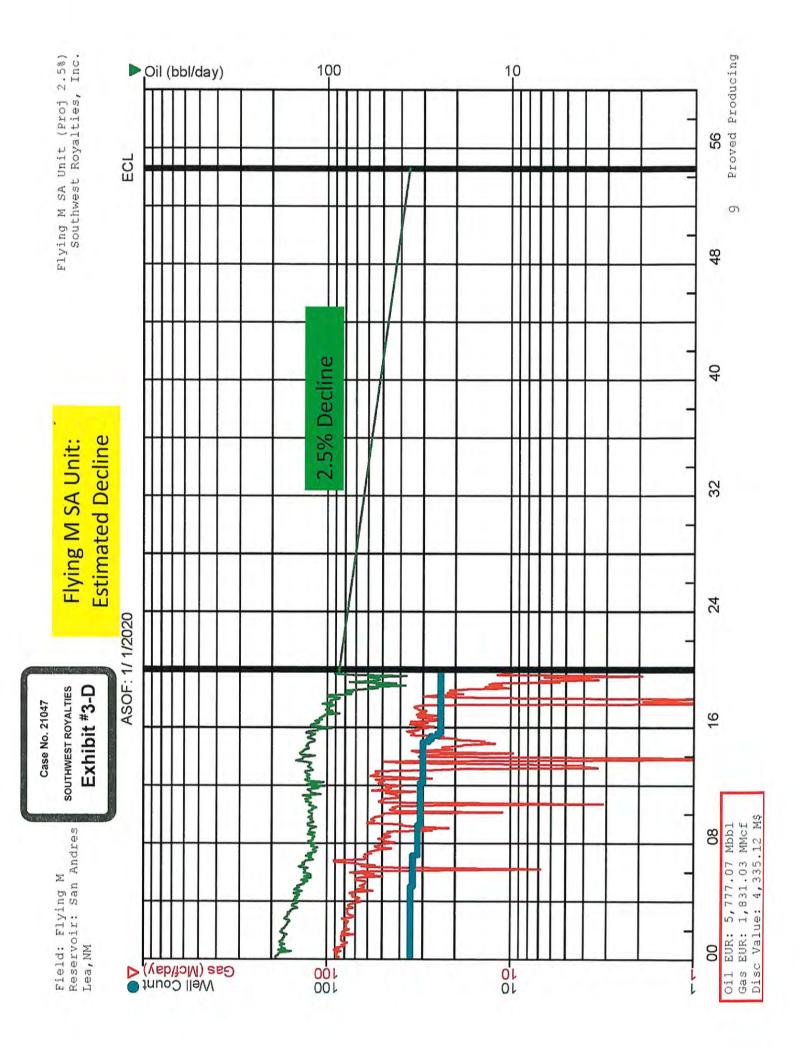
# Southwest Royalties

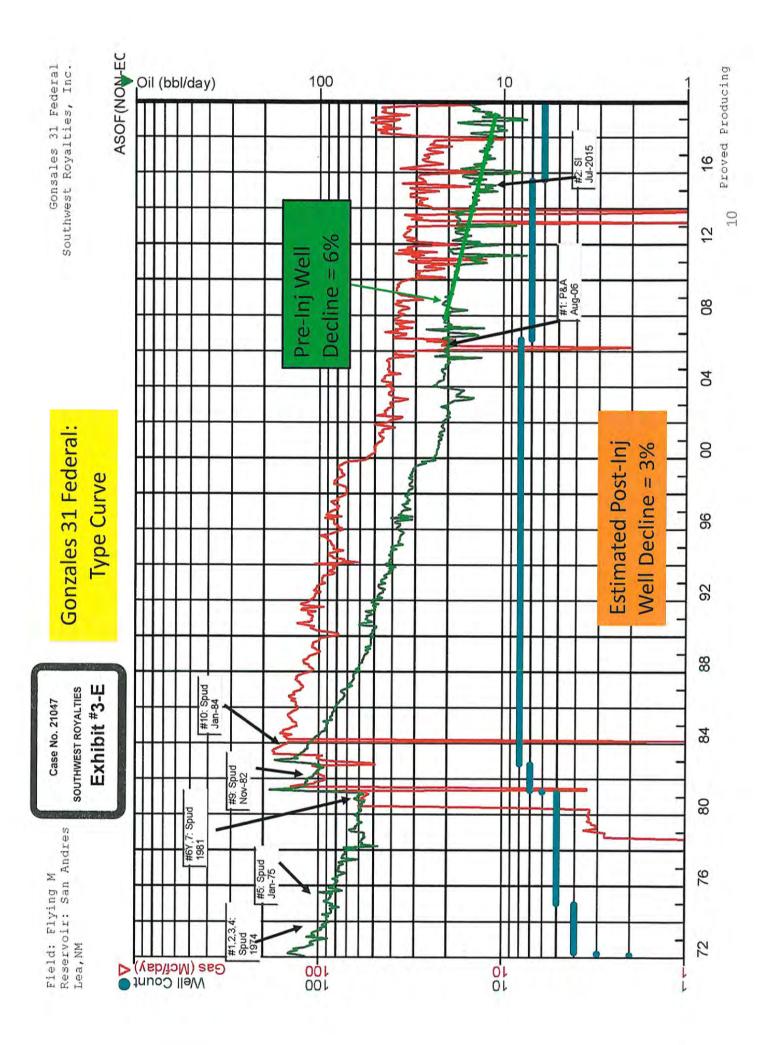
**Tanner P. Culp** is an Operations Engineer at Southwest Royalties, Inc. Mr. Culp has both a Bachelor of Science degree in Petroleum Engineering and a Masters of Business Administration from Texas Tech University. Mr. Culp has 5 years of experience in the oil and gas industry, including internships at Reliance Energy and Concho Resources, and full-time employment at Patriot Resources. He has spent time as a reservoir, drilling, completions, production, and facilities engineer and participated in business development for acquisition and divestiture evaluations.

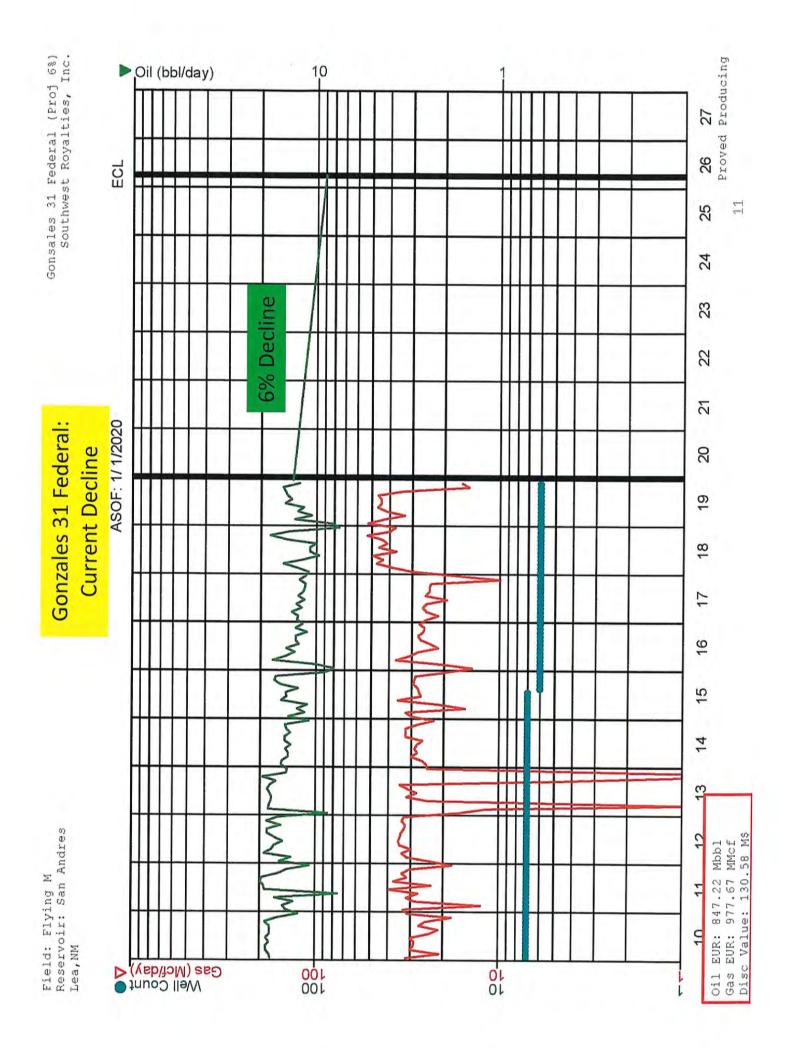
Γ	Case No. 21047
1	SOUTHWEST ROYALTIES
	Exhibit #3-A

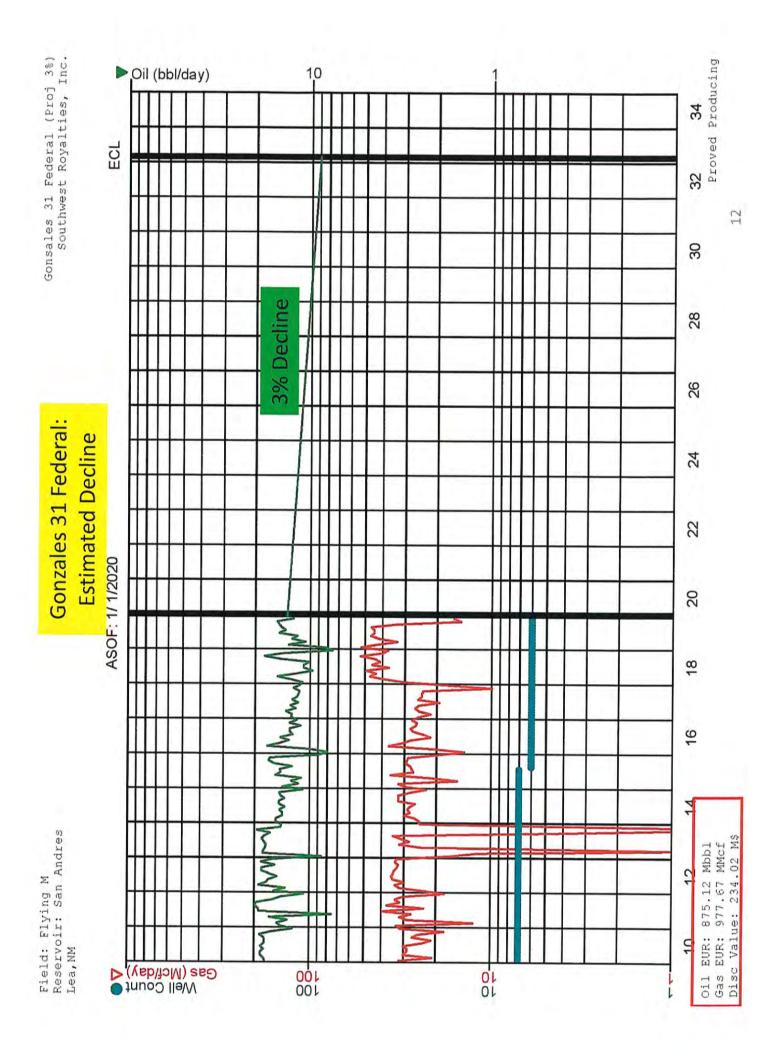


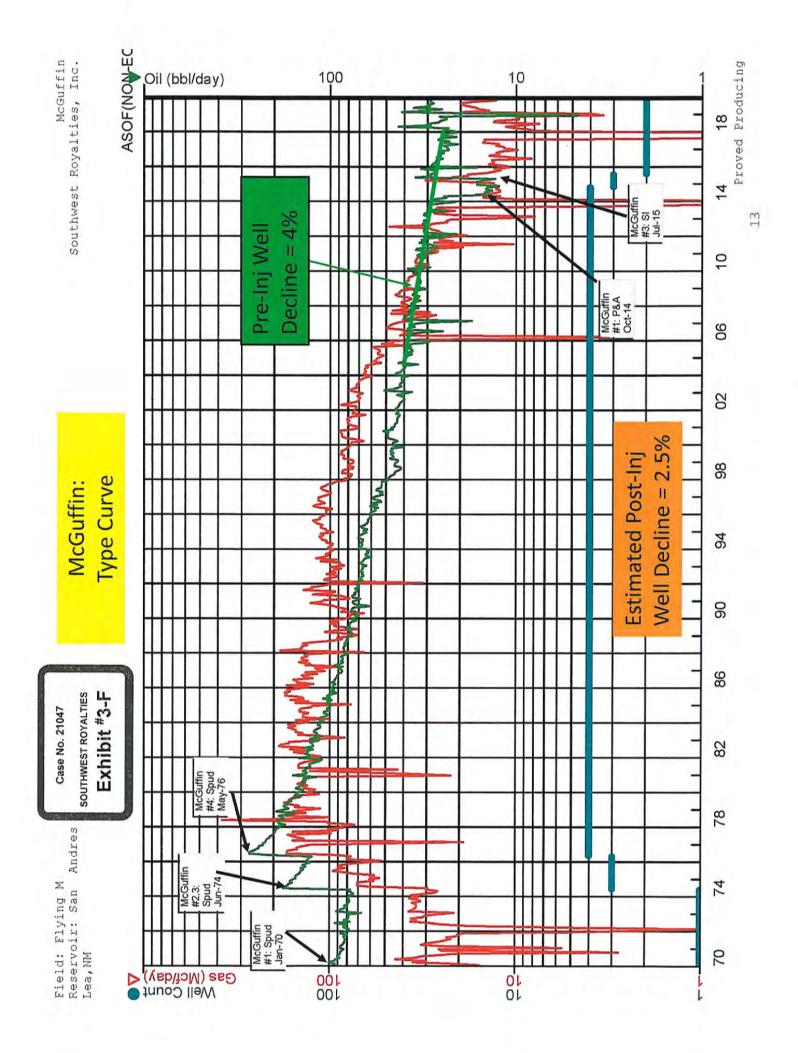








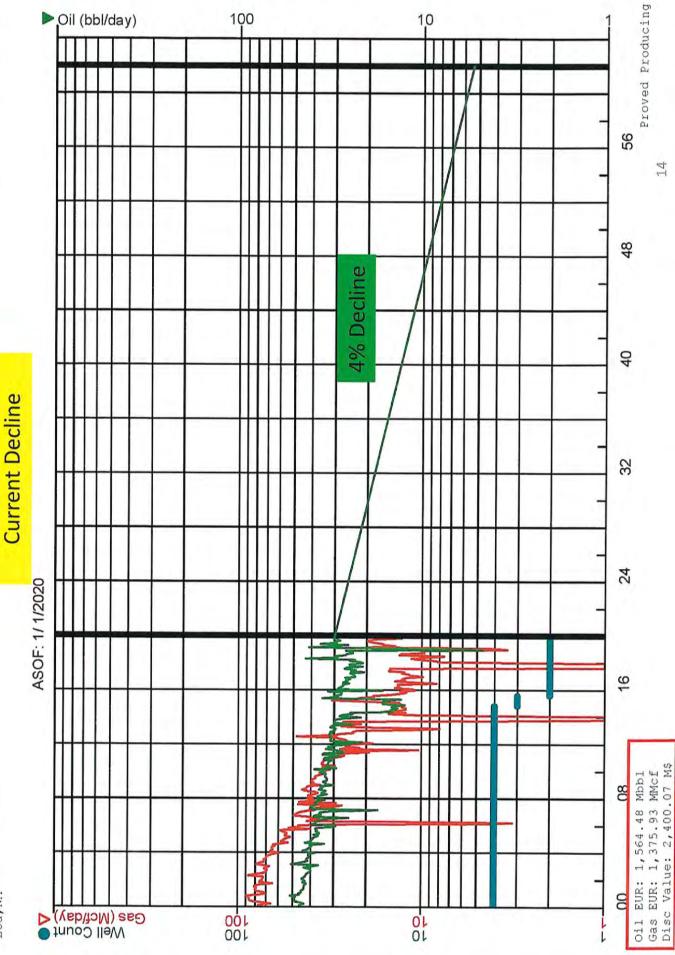




Field: Flying M Reservoir: San Andres Lea,NM

McGuffin: Current Decline

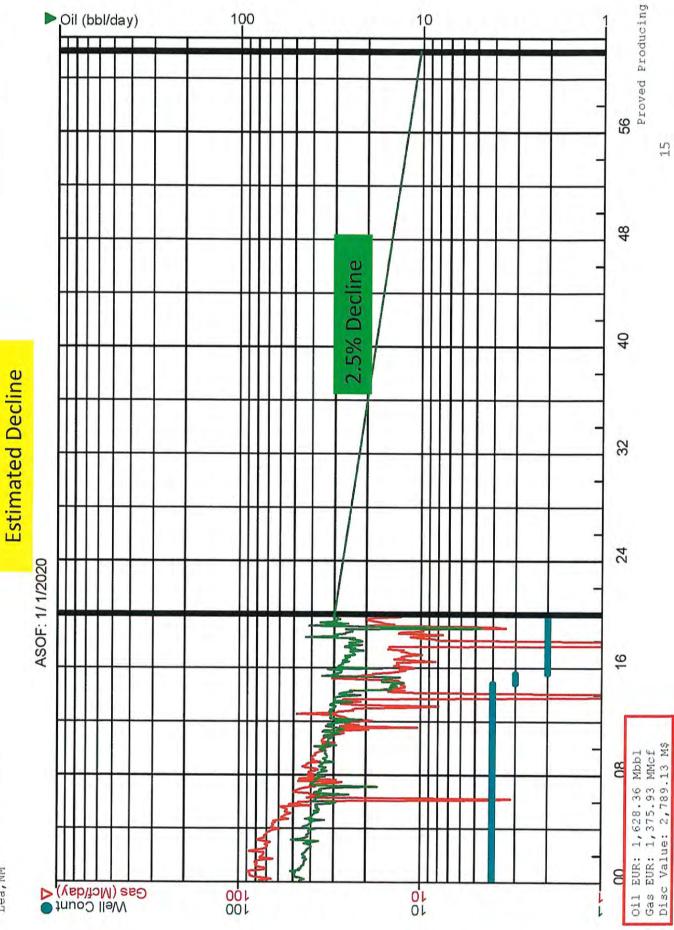
McGuffin (Proj 4%) Southwest Royalties, Inc.



Field: Flying M Reservoir: San Andres Lea,NM

McGuffin: etimated Declino

McGuffin (Proj 2.5%) Southwest Royalties, Inc.



			summary	Bun	Y IE			
		Pre-PMX			Post-PMX		Increment	Incremental Increase
Unit	Decline	Oil EUR (Mbbl)	(\$M) 6-V4	Decline	Decline Oil EUR (Mbbl) PV-9 (M\$)	PV-9 (M\$)	EUR Inc. (Mbbl)	PV-9 Inc. (M\$)
Flying M SA Unit	5.00%	5,404.85	\$2,889.56	2.50%	5,777.07	5,777.07 \$4,335.12	372.22	372.22 \$ 1,445.56
Gonzales 31 Federal	6.00%	847.22	847.22 \$ 130.58	3.00%	875.12	875.12 \$ 234.02	27.90	\$ 103.44
McGuffin	4.00%	1,564.49	\$2,400.07	2.50%	1,628.36	\$2,789.13	63.88	\$ 389.06
TOTA		7,816.56	7,816.56 \$5,420.21		8,280.55	8,280.55 \$7,358.27	463.99	\$ 1,938.06