

## RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

Type or print only

33948

API No. 42-475-3348

7. RRC District No.

08

8. RRC Lease No.

35162

## Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat)

WARD ESTES, NORTH

2. LEASE NAME

STATE UNIVERSITY F4

9. Well No.

101

3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report)

SOUTHWEST ROYALTIES, INC.

RRC Operator No.

806470

10. County of well site

WARD

4. ADDRESS

PO BOX 11390; MIDLAND, TX 79702

5. If Operator has changed within last 60 days, name former operator

NA

11. Purpose of filing

Initial Potential ☐Retest ☒Reclass ☐Well record only  
(explain in Remarks) ☒

6a. Location (Section, Block, and Survey)

2 16 UL

6b. Distance and direction to nearest town in this county.

1 mile South from Wickett

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.  
FIELD & RESERVOIR

NA

GAS ID or  
OIL LEASE #Oil - O  
Gas - G

WELL NO.

13. Type of electric or other log run

GR/CCL/CBL

RECORD CODIFICATION

MAR 4 1997

14. Completion or recompletion date

10-10-96

## SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 11-23-96	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump) 2 1/2 x 1-3/4 x 16		18. Choke size	
19. Production during Test Period	Oil - BBLS 10	Gas — MCF 5	Water - BBLS 385	Gas - Oil Ratio 50	Flowing Tubing Pressure PSI
20. Calculated 24- Hour Rate	Oil - BBLS	Gas — MCF	Water — BBLS	Oil Gravity—API—60° 33	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells) 60		23. Injection Gas—Oil Ratio	

## REMARKS:

name change from State University F (subdividing lease). from # 07343  
Field to stay same. Added perfs and acid treated.

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

## WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

SOUTHWEST ROYALTIES, INC.

Signature: Well Tester

Name of Company

RRC Representative

Return to  
Records  
Retention

## OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

BEVERLY HATFIELD

Typed or printed name of operator's representative

915 686-9927 ext. 229 11/ 27 /96

Telephone: Area Code Number Date: mo. day year

Title of Person

Signature

REGULATORY CODING

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DEC - 3 1996  
MIDLAND, TEXAS

169

SECTION II		DATA ON WELL COMPLETION AND LOG (Not Required on Retest)					
24. Type of Completion: New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input checked="" type="checkbox"/>				25. Permit to Drill, Plug Back or Deepen DATE <u>7-20-89</u> PERMIT NO. <u>361636</u>			
26. Notice of Intention to Drill this well was filed in Name of <u>SOUTHWEST ROYALTIES, INC.</u>				Rule 37 Exception CASE NO.			
27. Number of producing wells on this lease in this field (reservoir) including this well <u>3</u>				28. Total number of acres in this lease <u>160</u>			
29. Date Plug Back, Deepening, WorkOver or Drilling Operations: <u>10-2-96</u>		Completed <u>10-6-96</u>		30. Distance to nearest well, Same Lease & Reservoir <u>660</u>			
31. Location of well, relative to nearest lease boundaries of lease on which this well is located <u>1650</u> Feet From <u>South</u> Line and <u>2640</u> Feet from <u>West</u> Line of the <u>State University F4</u> Lease				Salt Water Disposal Permit PERMIT NO.			
32. Elevation (DF, RKB, RT, GR, ETC.) <u>2657 gh</u>				33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
34. Top of Pay <u>2461</u>	35. Total Depth <u>3124</u>	36. P. B. Depth <u>2835</u>	37. Surface Casing Determined by: Field <input type="checkbox"/> Rules <input checked="" type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>		Dt. of Letter		
38. Is well multiple completion? <u>no</u>		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <u>FIELD &amp; RESERVOIR</u>			40. Intervals Drilled by: Rotary Tools <u>XX</u> Cable Tools		
41. Name of Drilling Contractor <u>Riley</u>		42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
43. CASING RECORD (Report All Strings Set in Well)							
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
<u>8-5/8"</u>	<u>24#</u>	<u>755</u>		<u>400 SX PP</u>	<u>12 1/4</u>	<u>circ surf</u>	<u>598</u>
<u>5 1/2"</u>	<u>15.5#</u>	<u>3080</u>		<u>700 SX PP</u>	<u>7-7/8</u>	<u>778</u>	<u>1217</u>

44. LINER RECORD				
Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD			46. Producing Interval (this completion) Indicate depth of perforation or open hole	
Size	Depth Set	Packer Set	From	To
<u>2-7/8"</u>	<u>2349</u>		<u>2872</u>	<u>2943</u>
			<u>2471</u>	<u>2746</u>

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval	Amount and Kind of Material Used
<u>2872-2943</u>	<u>AT w/1400 gals 15% HCL NEFE</u>
<u>2461-2595</u>	<u>AT w/2000 gals 15% NEFE HCL</u>
<u>2633-2746</u>	<u>AT w/2350 gals 15% NEFE HCL</u>

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
<u>TOP OF YATES</u>	<u>2456</u>		

REMARKS OLD PERFS 3083-3124 SET CIBP @ 2835' no cm.

<b>SECTION II</b>				<b>DATA ON WELL COMPLETION AND LOG (Not Required on Re-test)</b>			
24. Type of Completion: New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input checked="" type="checkbox"/>				Permit to Drill, Plug Back or Deepen DATE <b>7-20-89</b> PERMIT NO. <b>361636</b>		Rule 37 Exception Water Injection Permit Salt Water Disposal Permit Other	
26. Notice of Intention to Drill this well was filed in Name of <div style="text-align: center;"><b>SOUTHWEST ROYALTIES, INC.</b></div>				CASE NO. PERMIT NO.		PERMIT NO.	
27. Number of producing wells on this lease in this field (reservoir) including this well <div style="text-align: center;"><b>3</b></div>		28. Total number of acres in this lease <div style="text-align: center;"><b>160</b></div>		PERMIT NO.		PERMIT NO.	
29. Date Plug Back, Deepening, WorkOver or Drilling Operations: <div style="text-align: center;"><b>10-2-96</b></div>		Commenced <div style="text-align: center;"><b>10-6-96</b></div>		Completed <div style="text-align: center;"><b>660</b></div>		30. Distance to nearest well, Same Lease & Reservoir	
31. Location of well, relative to nearest lease boundaries of lease on which this well is located <div style="text-align: center;"><b>1650 Feet From South Line and 2640 Feet from West Line of the State University F4 Lease</b></div>				32. Elevation (DF, RKB, RT, GR, ETC.) <div style="text-align: center;"><b>2657 gr</b></div>			
33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				34. Top of Pay <b>2461</b>			
35. Total Depth <b>3124</b>		36. P. B. Depth <b>2835</b>		37. Surface Casing Determined by: Field <input type="checkbox"/> Rules <input checked="" type="checkbox"/>		Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>	
38. Is well multiple completion? <div style="text-align: center;"><b>no</b></div>		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <div style="text-align: center;"><b>FIELD &amp; RESERVOIR</b></div>				40. Intervals Drilled by: Rotary Tools <b>XX</b> Cable Tools	
41. Name of Drilling Contractor <div style="text-align: center;"><b>Riley</b></div>				42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
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<b>8-5/8"</b>	<b>24#</b>	<b>755</b>		<b>400 SX PP</b>	<b>12 1/2</b>	<b>circ surf</b>	<b>598</b>
<b>5 1/2"</b>	<b>15.5#</b>	<b>3080</b>		<b>700 SX PP</b>	<b>7-7/8</b>	<b>778</b>	<b>1217</b>

44. LINER RECORD				
Size	TOP	Bottom	Sacks Cement	Screen

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Size	Depth Set	Packer Set	From	To
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			<b>2471</b>	<b>2746</b>

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval	Amount and Kind of Material Used
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48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
<b>TOP OF YATES</b>	<b>2456</b>		

REMARKS **OLD PERFS 3083-3124 SET CIBP @ 2835' no cmt.**

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 DEC 2 1989  
 MIDLAND, TEXAS

07343

STATE UNIVERSITY F1

SOUTHWEST ROYALTIES, INC.  
STATE UNIVERSITY F1 F2 F3 F4 F5  
STATE UNIVERSITY A  
STATE UNIVERSITY CJ  
UNIVERSITY WICKETT B

1" = 1,000'

STATE UNIVERSITY F2

07352

STATE UNIVERSITY A

STATE UNIVERSITY F1  
BLOCK 16 SECTION 1 (SECTION LINES)

#92	1000 FNL & 2300 FWL	TA 8/3/89
#94	330 FNL & 1900 FWL	PRODUCING
#95	990 FNL & 1650 FEL	PRODUCING
#96	330 FNL & 1000 FEL ±	TA 8/3/89
#105	330 FNL & 2640 FEL	PRODUCING

STATE UNIVERSITY F2  
BLOCK 16 SECTION 1 (SECTION LINES)

#2	330 FEL & 1900 FSL	PRODUCING
#103	1650 FSL & 1720 FEL	PRODUCING

STATE UNIVERSITY F3  
BLOCK 16 SECTION 2 (SECTION LINES)

#48	990 FNL & 920 FWL	SI 10/1/91
#104	990 FNL & 1980 FEL	PRODUCING

STATE UNIVERSITY F4  
BLOCK 16 SECTION 2 (SECTION LINES)

#101	1650 FSL & 2640 FWL	PRODUCING
#102	2310 FSL & 2640 FWL	PRODUCING
#106	1650 FSL & 1980 FEL	PRODUCING

STATE UNIVERSITY F5  
BLOCK 26 SECTION 3 (SECTION LINES)

#107	330 FNL & 1980 FEL	PRODUCING
#109	330 FNL & 2640 FEL	PRODUCING
#110	990 FNL & 2640 FEL	PRODUCING
#111	330 FNL & 1880 FWL	PRODUCING

STATE UNIVERSITY F6  
BLOCK 26 SECTION 3 (SECTION LINES)

#73	660 FSL & 1980 FWL	PRODUCING
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STATE UNIVERSITY A  
BLOCK 26 SECTION 1

#2	330 FSL & 330 FEL	SI
#5	990 FSL & 990 FEL	SI 6/27/88
#8	990 FSL & 2310 FEL	SI 2/17/92
#9	330 FSL & 2310 FWL	SI ST REP 8/1/96
#11	990 FSL & 1650 FWL	SI 12/1/90
#12	1650 FWL & 330 FSL	INJECT.
#13	1990 FEL & 330 FSL	SI 6/27/88
#17	330 FSL & 1980 FEL	PRODUCING
#18	330 FNL & 2588 FWL	PRODUCING
#19	990 FSL & 1980 FEL	PRODUCING

STATE UNIVERSITY CJ  
BLOCK 26 SECTION 2

#2	330 FEL & 2310 FNL	PRODUCING
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UNIVERSITY WICKETT B  
BLOCK 26 SECTION 2

#3X	990 FSL & 1041 FEL	PRODUCING
#4	990 FEL & 330 FSL	PRODUCING
#5	990 FSL & 1650 FEL	INJECTION
#6X	330 FSL & 1980 FEL	PRODUCING
#7X	990 FSL & 2220 FEL	PRODUCING
#9	990 FSL & 2480 FWL	INJECTION
#11	660 FWL & 565 FSL	PRODUCING
#12	990 FSL & 1341 FWL	PRODUCING
#13	330 FSL & 1326 FWL	INJECTION
#14	984 FWL & 990 FSL	PRODUCING
#15	990 FSL & 1892 FEL	TA 11/2/88
#16	330 FSL & 2552 FEL	PRODUCING

STATE UNIVERSITY F6

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