

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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U.S.G.S.	2
LAND OFFICE	1
OPERATOR	

5a. Indicate Type of Lease	State ☐ Fee ☐
5. State Oil & Gas Lease No.	-750

1. TYPE OF WELL Other

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER RECEIVED

2. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER DEC 23 1981

7. Unit Agreement Name	South Redlake Grayburg Unit
8. Farm or Lease Name	South Redlake Grayburg Unit
9. Well No.	43
10. Field and Pool, or Wildcat	Red Lake (Queen, Grayburg, San Andres)

1. Name of Operator

L. Texas Enterprises, Inc. /

2. Address of Operator

P. O. Box 2512, Midland, Texas 79702

3. Location of Well

O. C. D. ARTESIA, OFFICE

4. Location of Well

UNIT LETTER K LOCATED 1,650 FEET FROM THE South LINE AND 1,450 FEET FROM

5. West LINE OF SEC. 36 TWP. 17-S RGE. 27-E NMPM

12. County	Eddy
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15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
Sept. 23, 1981	Oct. 3, 1981	Dec. 15, 1981	3598.1' Gr.	3597'
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools Cable Tools
1,735'	1,759'		0'-1,785'	
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made
1,698' - 1,736' Grayburg				No
26. Type Electric and Other Logs Run				27. Was Well Cored
Gamma ray - Neutron, Cement Bond				Yes

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
2-5/8"	24	452'	12-1/4"	350 ex. Glass "C"	None
4-1/2"	24.5	1,754'	7-7/8"	210 ex. See 1-103	None

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2-3/8"	1,732'	None

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
1,698' - 1,700', 1,702' - 08', 1,730' - 36'	DEPTH INTERVAL
31 - 0.38" holes	1,698' - 1,736'
	AMOUNT AND KIND MATERIAL USED
	1,250 gal. 20%, 20,000 gallons
	cellulose KOL wa ter & 20,000
	20 - 40 sand

PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Dec. 11, 1981		Sucking - 2" x 1-1/2" x 12' traveling barrel				Producing	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Dec. 11, 1981	24	None		41.60	111	48.88	TSTM
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
			41.60	111	48.88	35.5	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Vented	

35. List of Attachments

C-102, C-103, Gamma Ray - Neutron log, Cement Bond log

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Lynn E. Foster TITLE Cons. Engr. in charge DATE Dec. 12, 1981

Northwestern New Mexico

Southwestern New Mexico

Northwestern New Mexico

Locality	State	Year	Oil or Gas Sands or Zones
Anyh	T.		Canyon
Salt	T.		Strawn
Salt	B.		Aleka
Yates	T.	1920	Miss
7 Rivers	T.		Devonian
Queen	T.	1,144	Suburban
Guthrie	T.	1,630	Montoya
San Andree	T.		Simpson
Gloster	T.		McKee
Paddock	T.		Ellenburger
Bineby	T.		Gr. Wash
Tubb	T.		Granite
Drinkard	T.		Delaware Sand
Abo	T.		Boite Springs
Wellcamp	T.		Chinle
Penn.	T.		Pennian
Cisco (Bough C)	T.		Penn. "A"
Anyh	T.		Ojo Alamo
Salt	T.		Kittland-Fruitland
Salt	T.		Penn. "C"
Salt	T.		Penn. "D"
Yates	T.		Leadville
7 Rivers	T.		Madison
Queen	T.		Ebert
Guthrie	T.		McCracken
San Andree	T.		Galup
Gloster	T.		Base Greenhorn
Paddock	T.		Dakota
Bineby	T.		Monksion
Tubb	T.		Toddlie
Drinkard	T.		Penada
Abo	T.		Wingate
Wellcamp	T.		Chinle
Penn.	T.		Pennian
Cisco (Bough C)	T.		Penn. "A"

No. 1, from 1,658 to 1,738
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	252	to	258	feet
No. 2, from		to		feet
No. 3, from		to		feet
No. 4, from		to		feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	40	40	Sand and caliche	16	212	196	Lime
252	252	268	Sand	16	252	268	Sand
268	454	186	Anhydrite and gypsum	186	454	186	Anhydrite and gypsum
454	516	62	Sand and dolomite	62	516	62	Sand and dolomite
516	750	234	Dolomite	234	750	234	Dolomite
750	996	246	Sand and shale	246	996	246	Sand and shale
996	1,200	204	Lime	204	1,200	204	Lime
1,200	1,310	110	Sand and anhydrite	110	1,310	110	Sand and anhydrite
1,310	1,698	388	Lime and shale	388	1,698	388	Lime and shale
1,698	1,795	97	Sand and lime	97	1,795	97	Sand and lime

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5a. Indicate Type of Lease	
State ☐	Fee ☐
5. State Oil & Gas Lease No.	
-752	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL ☒ WELL GAS WELL ☐ OTHER ☐		DEC 23	
2. Name of Operator		7. Unit Agreement Name	
L. Texas Enterprises, Inc. ✓		South Redlake	
3. Address of Operator		8. Farm or Lease Name	
P. O. Box 2512, Midland, Texas 79702		South Redlake	
4. Location of Well		9. Well No.	
UNIT LETTER <u>K</u> <u>1,650</u> FEET FROM THE <u>South</u> LINE AND <u>1,650</u> FEET FROM		10. Field and Pool, or Wildcat	
THE <u>West</u> LINE, SECTION <u>36</u> TOWNSHIP <u>17-3</u> RANGE <u>27-3</u> N.M.P.M.		Red Lake (Queen, Gray-	
		burr, San Andres)	
15. Elevation (Show whether DF, RT, GR, etc.)		12. County	
3,593.1' Gr.		Brew	

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	
		OTHER ☐	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

9.5#

After Drilling to total depth of 1,785', 4-1/2" casing was run to 1,764' and cemented with 460 sacks of Class "C" cement. After 8-1/2 bbl. displacement was pumped the plug stopped and the pressure increased to 1,400 #.

A temperature instrument was run and the plug was found 322' beneath the surface. The plug was drilled and cement drilled out to 1,759'. A bond log was run which showed the approximate top of the cement outside the casing at 1,230'.

A cast iron bridge plug was set at 1,365' and 2 holes perforated in the casing at 1,040' feet. A Houco RTTB packer was set at 1,000 feet and pressured up to 1,500 # with no bleed off of pressure.

1" Nobe tubing was run to 620' and cement was circulated to the surface. 150 sacks of cement was mixed and pumped.

Run cement retainer to 1,000' and set. Acidized perforations @ 1,040' with 150 gallons with breakdown pressure of 1,250 #. Squeezed perforations @ 1,040' with 100 sacks of Class "C" cement containing 2 # calcium chloride. Squeeze held 900 # pressure.

Waited on cement 60 hours and then drilled out cement retainer, cement, cast iron bridge plug, and washed to bottom @ 1,759'.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Lynn E. Foster TITLE Cons. Petroleum Engineer DATE December 17, 1981

APPROVED BY W. A. Gressitt TITLE SUPERVISOR, DISTRICT II DATE DEC 28 1981

CONDITIONS OF APPROVAL, IF ANY: