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Form C-105
Revised 11-1-78

NEW MEXICO OIL AND GAS COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

O. C. C.
ARTESIA, OFFICE

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LAND OFFICE	1
OPERATOR	

5a. Indicate Type of Lease
State Fer

5. State Oil & Gas Lease No.
LG 2353

7. Unit Agreement Name

8. Perm. or Lease Name
New Mexico State

9. Well No.
1

10. Field and Pool, or Wildcat
Shugart (Yates, 7 Rvrs, Queen, Grayburg)

1a. TYPE OF WELL

OIL WELL GAS WELL DRY OTHER

b. TYPE OF COMPLETION

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

2. Name of Operator

Flag-Redfern Oil Company

3. Address of Operator

P. O. Box 23 Midland, Texas 79702

4. Location of Well

UNIT LETTER K LOCATED 1980 FEET FROM THE West LINE AND 1980 FEET FROM

THE South LINE OF SEC. 2 TWP. 19-S RGE. 31-E

12. County

Eddy

15. Date Spudded 12-8-78 16. Date T.D. Reached 12-20-78 17. Date Compl. (Ready to Prod.) 1-19-79 18. Elevations (DF, RAB, RT, GR, etc.) RKB = 3623' 19. Elev. Casinghead 3614'

20. Total Depth 4257' 21. Plug Back T.D. 4190' 22. If Multiple Compl., How Many None 23. Intervals Drilled By: Rotary Tools 0 - TD Cable Tools None

24. Producing Interval(s), of this completion - Top, Bottom, Name
3407' - 3456' Queen, 3899' - 3906' & 3919 - 3926' Grayburg, 4039 - 4046' & 4149 - 4156' Premier (Lower Grayburg) 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run
CNL-FDC, Dual Laterolog w/Micro SFL, Cyberlook 27. Was Well Cored No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	854'	11"	275 sx of Halli Lt. Wt. & 200 sx Class "C"	None
4-1/2"	10.50	4257'	7-7/8"	575 sx of Halli Lt. Wt. & 300 sx of 50-50 Poz	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
None				

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	4096'	None

31. Perforation Record (Interval, size and number)

Queen: 3407-12, 3415-17, 3420-22, 3424-26
3433-40, 3443-46', 3452-56. Total of 25 holes - 0.38" Dia.
Grayburg: 3899-3906 & 3919-26' Total of 14 holes - 0.38" Dia. Premier: 4039-46, 4149-56'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3407 - 3456'	1500 gal of Acid, Frac w/30,000
3899 - 3926'	500 gal of Acid, Frac w/20,000
4039 - 4156'	1000 gal of 15% Acid, Frac w/21,000 gal of 2% KCL wtr.

33. Total of 28 holes - 0.38" Dia. PRODUCTION

Date First Production <u>1-25-79</u>	Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Pumping 2" X 1 1/2" X 12' Pump</u>	Well Status (Prod. or Shut-in) <u>Producing</u>					
Date of Test <u>2-7-79</u>	Hours Tested <u>24</u>	Choke Size <u>---</u>	Prod'n. For Test Period <u>22</u>	Oil - Bbl. <u>22</u>	Gas - MCF <u>12</u>	Water - Bbl. <u>41</u>	Gas - Oil Ratio <u>545</u>
Flow Tubing Press. <u>---</u>	Casing Pressure <u>---</u>	Calculated 24-Hour Rate <u>22</u>	Oil - Bbl. <u>22</u>	Gas - MCF <u>12</u>	Water - Bbl. <u>41</u>	Oil Gravity - API (Corr.) <u>33°</u>	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Temporarily for fuel, will be sold when contracted Test Witnessed By Doyle Russell

35. List of Attachments
2 copies of Deviation Survey and all Logs (CNL-FDC, DLL, Cyberlook)

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 Doyle Russell TITLE Engineer DATE 2-8-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or reopened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including fluid stream tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. (See Rule 11.5.)

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	740'	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	868'	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	2348'	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	2560'	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	2814'	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	3372'	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	3835'	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. Premier _____	4040'	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____		T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____		T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____		T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____		T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____		T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____		T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____		T. _____	T. Chinle _____	T. _____
T. Penn. _____		T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____		T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from Yates 2560 to 2640'	No. 4, from Penrose 3668 to 3702'
No. 2, from 7 Rivers 2814 to 3235'	No. 5, from Grayburg 3835 to 3930'
No. 3, from Queen 3372 to 3456'	No. 6, from Premier 4040 to 4156'

IMPORTANT WATER SANDS

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

No. 1, from _____ to _____	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
740	868	128	Rustler Anhydrite				
868	2348	1480	Salt				
2560	2640	80	Yates				
2814	3372	558	Seven Rivers				
3372	3668	296	Queen				
3668	3835	167	Penrose				
3835	4040	205	Grayburg				
4040	4156	116	Premier				