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**RECEIVED**  
NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
OCT 18 1979

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
LG-2353

7. Unit Agreement Name  
-----

8. Farm or Lease Name  
New Mexico State

9. Well No.  
2

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 L LOCATED 660 FEET FROM THE West LINE AND 1980 FEET FROM  
THE South LINE OF SEC. 2 TWP. 19-S RGE. 31-E N.M.P.M.

**O.C.C.**  
**ARTESIA, OFFICE**

15. Date Spudded 9-4-79 16. Date T.D. Reached 9-15-79 17. Date Compl. (Ready to Prod.) 10-15-79 18. Elevations (DF, RKB, RT, GR, etc.) 3609' GL 19. Elev. Casinghead -----

20. Total Depth 4235' 21. Plug Back T.D. 4214' 22. If Multiple Compl., How Many ----- 23. Intervals Drilled By Rotary Tools Cable Tools  
-----> 0-TD

24. Producing interval(s), of this completion - Top, Bottom, Name  
3366-3424 Queen, 3828-3893 Grayburg, 4009-4080 Premier (Lower Grayburg)

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run  
CNL-FDC, DLL & Micro SFL

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#	855'	12 1/2"	275 sx Hall. Lite, 2% CaCl	Circ 75 sx.
4-1/2"	10.5#	4239'	7-7/8"	575 sx Hall. Lite, 15# Salt 5% Gilsonite, 1/2% flocele, followed by 300 sx 50-50 Cl C	

29. LINER RECORD **Poz A.** 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					2-3/8"	4097'	

31. Perforation Record (Interval, size and number)  
Premier- 4009-12, 4014-16, 4018-20, 4022-24, 4073-80, 16 holes, Grayburg- 3828-32, 3860-66, 3868-70, 3883-88, 3891-93, 19 holes, Queen- 3366-70, 3375-80, 3382-84, 3388-90, 3392-94, 3397-99, 3402-05, 3410-12, 3421-24 25 holes.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3366-3424	1500 gals Acid, Frac 30,000 gals
3828-3893	1000 gals Acid, Frac 20,000 Gals
4009-4080	1500 gals Acid, Frac 20,000 Gals

33. 38" in dia. PRODUCTION

Date First Production 10-15-79 Production Method (Flowing, gas lift, pumping - Size and type pump) Pump 2" X 1 1/4" X 12' Insert Pump Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
10-15-79	24	--	----->	37.6	17	30	452

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
----	-----	----->	37.6	17	30	31.3°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold to Conoco

35. List of Attachments  
2 copies of Deviation Survey, Logs (CNL-FDC, DLL), C-104

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 [Signature] TITLE Engineer DATE 10-17-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than \_\_\_\_\_ days after the completion of any newly-drilled or deepened 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 drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths 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 _____ 738	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____ 880	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 2325	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2540	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 2776	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 3345	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 3800	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. Premier _____ 4010	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	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 Queen 3345 to 3440	No. 4, from _____ to _____
No. 2, from Grayburg 3800 to 3895	No. 5, from _____ to _____
No. 3, from Premier 4010 to 4100	No. 6, from _____ to _____

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
738	880	142	Rustler Anhydrite				
880	2325	1442	Salt				
2540	2615	75	Yates				
2776	3345	569	Seven Rivers				
3345	3630	285	Queen				
3800	4010	210	Grayburg				
4010	4100	90	Premier				



**DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS**

KENNETH D. REYNOLDS - ARTESIA  
LESLIE K. EVERTSON - ROSWELL

P. O. Box 2055 ROSWELL, NEW MEXICO 88201  
TELEPHONES: ARTESIA 505/746-6757  
ROSWELL 505/623-5070

September 18, 1979

**RECEIVED**

**OCT 18 1979**

**O. C. C.  
ARTESIA, OFFICE**

Flag Redfern Oil Company  
P.O. Box 23  
Midland, Texas 79701

Re: New Mexico State #2

Gentlemen:

The following is a Deviation Survey of the above well located in Eddy County, New Mexico.

410' - 1/4°  
893' - 1°  
1340' - 1 1/2°  
1800' - 2°  
2275' - 2 1/4°  
2720' - 2°

3076' - 1 1/2°  
3245' - 1°  
3416' - 1 1/4°  
3588' - 1 1/4°  
3911' - 1 1/4°  
4235' - 1 1/4° T.D.

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

STATE OF NEW MEXICO )  
                                  )  
COUNTY OF CHAVES    )

The foregoing was acknowledged before me this 18<sup>th</sup> day of September, 1979 by Arnold Newkirk.

My Commission Expires:

April 9, 1980

Glenda Bea Newton  
Notary Public