

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYN.M.O.C.D. COPY
SUBMIT IN DUPLICATE(See instructions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☒	GAS WELL ☐	DRY ☐	Other ☐										
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	Other ☐								
2. NAME OF OPERATOR						3. ADDRESS OF OPERATOR									
Flag-Redfern Oil Company						P. O. Box 2280, Midland, Texas 79702									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						5. LEASE DESIGNATION AND SERIAL NO.									
At surface 660' FSL & 330' FEL						USA NM 16637									
At top prod. interval reported below						6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
Same															
At total depth						7. UNIT AGREEMENT NAME									
Same															
14. PERMIT NO.						DATE ISSUED									
						May 21, 1981									
15. DATE SPUDDED						16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD						
7-4-81						7-12-81	8-24-81	4328 GL	4328						
20. TOTAL DEPTH, MD & TVD						21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS					
4120						4081			0 to TD						
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*									25. WAS DIRECTIONAL SURVEY MADE						
3876 - 4014, San Andres									No						
26. TYPE ELECTRIC AND OTHER LOGS RUN									27. WAS WELL CORED						
Gamma Ray Correlation, SND-GR, DLL									No						
28. CASING RECORD (Report all strings set in well)															
CASINO SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8 5/8"		24 lb		1442		12 1/4"		600 sx Hal Light		None					
								200 sx Class "C"							
4 1/2"		9.5		4120		7 7/8"		250 sx Class "H"		None					
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE	DEPTH SET (MD)	PACKER SET (MD)			
										2 3/8	4001	None			
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
3876 - 4014, .41" dia, 36 holes										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
										3876 - 4002		6000 gals 20% Acid			
										4002 - 4014		2500 gals 20% Acid			
33.* PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)							
8-24-81		Pumping 2" X 1 1/2" X 12' Insert						Producing							
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
8-24-81		24		---		---		9		14		1		1555	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
---		---		---		9		14		1		21.6			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY					
Sold										Mr. Richard Good					
35. LIST OF ATTACHMENTS										ACCEPTED FOR RECORD					
Deviation Survey - Logs, SNP										ROGER A. CHAPMAN					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records										SEP 3 1981					
SIGNED										TITLE		DATE			
										8/27/81					

*(See Instructions and Spaces for Additional Data on Reverse Side)

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	3876	4014	Salt water + Hydrocarbons	Anhydrite	1440	1440
				Salt	1501	
				San Andres	3090	3090

RECEIVED
SEP 8 1981

OIL CONSERVATION DIV

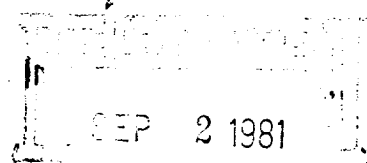


LESLIE K. EVERTSON - ROSWELL
KENNETH D. REYNOLDS - ARTESIA

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

July 13, 1981



Flag Redfern Oil Co.
P.O. Box 2280
Midland, Texas 79701

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

Re: Hahn Federal "A" #2

Gentlemen:

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

488' - 1/4°
980' - 1/2°
1442' - 3/4°
1913' - 1/2°
2110' - 1/2°

2410' - 1/2°
2903' - 1/4°
3396' - 1/2°
3881' - 1/2°
4120' - 1/2° T.D.

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

Arnold Newkirk

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 13th day of July, 1981 by Arnold Newkirk.

My Commission Expires:

1/12/85

Glissa Eileen Dink
Notary Public