

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											
Anadarko Production Company											
3. ADDRESS OF OPERATOR											
P. O. Box 67, Loco Hills, New Mexico 88235											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*											
At surface 1980' FWL & 660' FWL Sec. 21, T13S, R31E											
At top prod. interval reported below Same Chaves County, New Mexico											
At total depth Same											
14. PERMIT NO.					DATE ISSUED						
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD			
4-17-80		4-21-80		4-30-80		4118.9 GL		4118			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*			
2750'		2735'				ROTARY TOOLS X		CABLE TOOLS			
25. WAS DIRECTIONAL SURVEY MADE								Yes			
26. TYPE ELECTRIC AND OTHER LOGS RUN											
GR/Comp. Neutron-Density Log & Dual Laterolog											
27. WAS WELL CORED											
No											
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8"		24#		360' KB		12-1/4"		225 sx Class H - Circ.		None	
4-1/2"		10.5#		2744' KB		7-7/8"		330 sx Class C 50/50 Peomix		None	
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE	
										2-3/8"	
										2698' GL - SHOT	
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
2638' - 2650' @ 2 SPF (25 holes)										DEPTH INTERVAL (MD)	
										2638'-2650'	
										AMOUNT AND KIND OF MATERIAL USED	
										Acidized with 2500 gals 7 1/2	
										MSR-100 acid & 40 ball sand	
33.* PRODUCTION											
DATE FIRST PRODUCTION			PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)		
5-1-80			Flowing						Shut In		
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
5-7-80		24		1"		→		0		153	
WATER—BBL.		GAS-OIL RATIO									
0		N/A									
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
20#		20#		→		0		153		0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY	
To be sold - wait on Pipeline connection.										Charles Copeland	
35. LIST OF ATTACHMENTS											
2 copies each: GR/Comp Neutron-Density, Dual Laterolog, T° Survey, Deviation Survey											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
Original Signed by											
Area Supervisor											
May 8, 1980											
SIGNED				TITLE				DATE			
Jerry E. Buckles											

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

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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.)

OIL CONSERVATION DIV.

MAY 16 1980

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
Yates	1890	2020	2638'-2630'- Perforated, acidised & snub-tested Queen sand. See Form 9-331 for open-flow testing	T. Salt	1160	
7-Rivers	2020	2636		B. Salt	1760	
Queen	2636	T. D.		Yates	1890	
				7-Rivers	2020	
				Queen	2636	



Alta-west drilling, inc.

WM. N. MORGAN
Off. Ph.: 505-748-2194
Home Ph.: 505-748-2325
P. O. Drawer 1
Artesia, N.M. 88210

April 30, 1980

Anadarko Production Co.
P.O. Box 67
Loco Hills, New Mexico 88255

Re: Friend Federal #1
Sec. 21 Twn13S Rge31E
1980/N 660/W
Pool: Caprock Queen
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey of the above well:

362' - 1/4 degree
855' - 1/2 degree
1360' - 3/4 degree
1832' - 3/4 degree
1950' - 1/2 degree
2431' - 1/2 degree
2750' - 1/2 degree

Yours truly,

William N. Morgan
William N. Morgan
Alta-West Drlg., Inc.

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 1st day
of MAY, 1980, by William N. Morgan.

My Commission Expires:

6-13-81

Loy H. Fletcher
Notary Public

RECEIVED
MAY 16 1980
OIL CONSERVATION DIV.

RECEIVED
MAY 13 1980
O. C. D.
ARTESIA, OFFICE