

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau 1**WELL COMPLETION OR RECOMPLETION REPORT AND LOG ***

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐				5. LEASE DESIGNATION AND SF 080238 A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESRV. ☐ Other ☐				6. IF INDIAN, ALLOTTEE OR TRIBAL	
2. NAME OF OPERATOR Merrion Oil & Gas Corporation				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1017, Farmington, New Mexico 87401				8. FARM OR LEASE NAME Chaco Ltd.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations) At surface 1850' FSL and 1750' FWL At top prod. interval reported below Same At total depth Same				9. WELL NO. 1-J	
RECEIVED AUG 19 1982 U. S. GEOLOGICAL SURVEY FARMINGTON DISTRICT				10. FIELD AND POOL, OR WILDCAT WAW Fruitland/Pic. Cliff	
				11. SEC. T. R. M. OR BLOCK AND SURVEY Sec. 1, T26N, R13W	
14. PERMIT NO. FARMINGTON DISTRICT ISSUED				12. COUNTY OR PARISH San Juan	
				13. STATE New Mexico	
15. DATE SPUDDED 4/5/82	16. DATE T.D. REACHED 4/8/82	17. DATE COMPL. (Ready to prod.) 5/14/82	18. ELEVATIONS (DF, RES. RT, GR, ETC.) 6004' KB	19. ELEV. CASINGHEAD 5991' GL	
20. TOTAL DEPTH, MD & TVD 1300' KB	21. PLUG BACK T.D., MD & TVD 1270' KB	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY 0-TD	24. ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1200 - 1209' KB Picture Cliffs				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN No open hole logs				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
7"	23#/ft.	90	9-3/4"	41.30 cu. ft. cement	
2-7/8"	6.5#/ft.	1300' KB	5-1/8"	177.00 cu. ft. cement	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)					
1200 - 1209' KB 2 PF 3-1/8"			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION					
DATE FIRST PRODUCTION 5/17/82	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow			WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 5/18/82	HOURS TESTED 2	CHOKE SIZE .125"	PROD'N. FOR TEST PERIOD est. 24 hr.	OIL—BBL. 10 MCF/D	GAS—MCF. 10 MCF/D
FLOW. TUBING PRESS.	CASING PRESSURE 11 PSIG	CALCULATED 24-HOUR RATE	OIL—BBL. est. 24 hr.	GAS—MCF. 10 MCF/D	WATER—BBL. Trace
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test, to be sold				TEST WITNESSED BY Jim Ludwick	

NMOCD CASE #11996
PENDRAGON ENERGY
EXHIBIT

T-2

foregoing and attached information is complete and correct as determined from all available records

TITLE Operations Manager

DATE 8/18/82

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

NMOC

FARMINGTON DISTRICT

herein. This form is designed for submission of a summary and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, both, pursuant to applicable Federal and 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, regional and procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

not filed prior to the time this summary report 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 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: "Seeks 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.)

SUMMARY OF POISSON ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; COMED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, CURTAIN USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo Pic. Cliff	Surface 1200'	138' TD	Fresh water Salt water, Natural Gas.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Kirtland Fruitland Pic. Cliff	138' 870' 1200'		

**DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

(See cover in-
structions on
reverse side)

BUDGET BUREAU NO. 42-A333.0.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF 080238A	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR J. Gregory Merriam and Robert L. Bayless		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P.O. Box 507, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Chaco	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 FNL and 790 FWL At top prod. interval reported below same At total depth same		9. WELL NO. 4	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT N.I.I.P. Picture Cliff	
15. DATE SPDCDED 4-11-77		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 7, T26N, R12W	
16. DATE T.D. REACHED 4-25-77		12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 5-02-77		13. STATE N.M.	
18. ELEVATIONS (OF, ESB, RT, GR, ETC.)* 5991 G.R.		19. ELEV. CASINGHEAD _____	
20. TOTAL DEPTH, MD & TVD 1300 ft.		21. PLUG, BACK T.D., MD & TVD 1268 ft.	
22. IF MULTIPLE COMPL., HOW MANY* _____		23. INTERVALS DRILLED BY O-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1163-89 ft. Picture Cliff		25. WAS DIRECTIONAL SURVEY MADE no	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction, Gamma Ray Density		27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
5-1/2"	15.5	40 ft.	7-7/8"
2-7/8"	6.5	1294 ft.	4-3/4"
		CEMENTING RECORD	
		6 sacks	
		100 sacks	
		AMOUNT PULLED	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
1163-66 w/4 PF			
1173-89 w/4 PF			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
		MAY 1, 1977	
33. PRODUCTION			
DATE FIRST PRODUCTION _____		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
		WELL STATUS (Producing or shut-in) Awaiting Connection	
DATE OF TEST 05-03-77	HOURS TESTED 1.5	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD →
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
			480 MCF/day
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Steven J. Lane</u>		Engineer	
		DATE May 17, 1977	

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

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 83, 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 mine(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: "Seeks Consent": 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 POROSITY ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CISION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Picture Cliff	1163 Ft.		Gas, salt water

38. GEOLOGIC MARKERS

NAME	TOP	TRUE VERT. DEPTH
Kirtland	326'	
Fruitland	1024'	
Pic. Cliff	1163'	

WELL COMPLETION OR RECOMPLETION REPORT
GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-73.

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. DESVR. ☐	Other								
2. NAME OF OPERATOR J. Gregory Merrion & Robert L. Bayless															
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1850 FSL & 1850 FWL At top prod. interval reported below same At total depth same															
5. LEASE DESIGNATION AND SERIAL NM-22046															
6. IF INDIAN, ALLOTTEE OR TRIBE N															
7. UNIT AGREEMENT NAME															
8. FARM OR LEASE NAME Chaco															
9. WELL NO. 2-R															
10. FIELD AND POOL, OR WILDCAT WAW Fruitland/Pic. C															
11. SEC., T., R., M., OR BLOCK AND SUR OR ARE Sec. 7, T26N, R12W															
12. COUNTY OR PARISH San Juan															
13. STATE N.M.															
15. DATE SPUDDED 10-02-79		16. DATE T.D. REACHED 10-04-79		17. DATE COMPL. (Ready to prod.) 01-14-80		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5954' GL		19. ELEV. CASINGHEAD							
20. TOTAL DEPTH, MD & TVD 1248'		21. PLUG BACK T.D., MD & TVD 1213'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS ☒ CABLE TOOLS		25. WAS DIRECTION SURVEY MADE no							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs @ 1132-1142'								27. WAS WELL CORED no							
26. TYPE ELECTRIC AND OTHER LOGS RUN IES Induction Log, Correlation Log.															
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULL					
7"		25		95'		9"		50 sacks							
2-7/8"		6.5		1249'		5"		100 sacks Class "A" Econo-Fill and							
								60 sacks Class "A"							
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number) 1132-1142' w/2-1/8" glass jets, 2/PF								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD). AMOUNT AND KIND OF MATERIAL USED							
33.* PRODUCTION															
DATE FIRST PRODUCTION 01-14-80		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing						WELL STATUS (Producing or shut-in) SI							
DATE OF TEST 01-14-80		HOURS TESTED 1		CHOKE SIZE 1/2"		PROD'N. FOR TEST PERIOD 0		OIL—BBL. 150/day		GAS—MCF. 0		WATER—BBL. 0		GAS-OIL RATIO 0	
FLOW. TUBING PRESS. ---		CASING PRESSURE 18		CALCULATED 24-HOUR RATE 0		OIL—BBL. 150		GAS—MCF. 0		WATER—BBL. 0		OIL GRAVITY-AP (COR)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented								TEST WITNESSED BY John C. Anderson							
35. LIST OF ATTACHMENTS															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.															
SIGNED		TITLE		Engineer		DATE		01-23-80							

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

BY

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Item 29: "Seeds 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.)

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071-233

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-13555.6.

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 J. Gregory Merrion and Robert L. Bayless															
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 790 FNL and 1850 FEL At top prod. interval reported below same 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, ET, CR, ETC.)		19. ELEV. CASINGHEAD							
09-07-79		09-09-79		12-10-79		5951' GL									
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL. HOW MANY*		23. INTERVALS DRILLED BY		ROTARY TOOLS							
1285 ft.		1252 ft.						CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1186-1202.5 ft. - Pictured Cliffs								25. WAS DIRECTIONAL SURVEY MADE no							
26. TYPE ELECTRIC AND OTHER LOGS RUN IES Induction, Compensated Density, Neutron								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					
7"		23 lb./ft.		41 ft.		9-3/4"		10 sacks							
2-7/8"		10.5 lb./ft.		1272 ft.		5-1/8"		150 sacks							
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE					
										1"					
										1252 ft.					
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
1186-88.5 ft. - 4/ft. - .430"										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
1200-1202.5 ft. - 4/ft. - .430"										1186-1202.5		2500 lbs. 20/40 sand and 75 lb water			
33.* PRODUCTION										WELL STATUS (Producing or shut-in)		Shut-in			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)								WATER—BBL.		GAS—MCF.			
12/10/79		Flowing								208 MCF/day		4 bbl/day			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)	
12/18/79		5-1/2 hrs.		1/2"						208 MCF/day		4 bbl/day			
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
27 PSIG		150 PSIG						208 MCF/day		4 bbl/day					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented										TEST WITNESSED BY Steven S. [Signature]		DATE JAN 09 '80		FARMINGTON DISTRICT	
35. LIST OF ATTACHMENTS										ACCEPTED FOR RECORD					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.										SIGNED [Signature]		TITLE Engineer			

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

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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.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pic. Cliffs		1183'	—	Natural Gas, salt water	Ojo Alamo, Kirtland Fruitland Pic. Cliffs	Surface 134' 910' 1183'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See other instructions on reverse side)

Budget Bureau No. 42-K355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. SF 080238A	
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR J. Gregory Merriam and Robert L. Bayless		7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR P.O. Box 507, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Chaco	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 FSL and 790 FEL At top prod. interval reported below Same At total depth same		9. WELL NO. 5	
10. FIELD AND POOL, OR WILDCAT N.I.P. Picture Cliff		11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA Sec. 1, T26N, R13W	
14. PERMIT NO.		13. STATE N.M.	
15. DATE SPUDDED 4-26-77		19. ELEV. CASINGHEAD	
16. DATE T.D. REACHED 4-29-77		18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 5979 G.R.	
17. DATE COMPL. (Ready to prod.) 5-02-77		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
20. TOTAL DEPTH, MD & TVD 1315 ft.		21. PLUG, BACK T.D., MD & TVD 1265 ft.	
22. IF MULTIPLE COMPL., HOW MANY*		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1165-92' Picture Cliff	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction, Density		27. WAS DIRECTIONAL SURVEY MADE no	
27. WAS WELL CORED no		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number) 1165-69 w/2 PF 1174-92 w/2 PF		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED <u>Steven S. Lamm</u> TITLE <u>Engineer</u>		DATE <u>May 17, 1977</u>	

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

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 33.

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: "Work's Comment": 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 PRODUCE ZONES:

FROM ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORREL INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, CESSION (HEB), TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.

Picture Cliff

1165 ft.

Gas, water

38.

GEOLOGIC MARKERS

NAME

MEAS. DEPTH

TRUE VERT. DEPTH

Kirtland
Fruitland
Pic. Cliff

372'
880'
1162'

ELL COMPLETION OR RECOMPLETION FOR

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.**WELL COMPLETION OR RECOMPLETION REPORT AND LOG ***

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. NM-22046	
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR Merrion & Bayless				7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, N.M. 87401				8. FARM OR LEASE NAME Chaco	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1846 FNL and 1806 FWL At top prod. interval reported below same At total depth same				9. WELL NO. 1	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED 2/17/77				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T26N, R12W	
16. DATE T.D. REACHED 2/22/77				12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 3/3/77				13. STATE N.M.	
18. ELEVATIONS (DF, BKB, RT, GR, ETC.)* 5989 G.R.				19. ELEV. CASINGHEAD _____	
20. TOTAL DEPTH, MD & TVD 1350 ft. G.R.		21. PLUG, BACK T.D., MD & TVD 1187 ft. G.R.		23. INTERVALS DRILLED BY Rotary Tools Surf-TD	
22. IF MULTIPLE COMPL., HOW MANY* _____				24. WAS DIRECTIONAL SURVEY MADE no	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Picture Cliff (1113'-39') Gross Interval				25. WAS WELL CORED no	
26. TYPE ELECTRIC AND OTHER LOGS RUN Electric, Acoustic, Density, Cement Bond, Collar				27. WAS WELL CORED no	
29. CASING RECORD (Report all strings set in well)					
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5-1/2"	15.5	39	7-7/8"	w/8 sacks	
2-7/8"	6.5	1340	4-3/4"	w/100 sacks class "G"	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
1113-19' w/2 PF				DEPTH INTERVAL (MD)	
1126-28' w/2 PF				AMOUNT AND KIND OF MATERIAL USED	
1134-39' w/2 PF				MAR 22 1977	
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in) Shut-in Awaiting Connection	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
3/23/77	2	1/2"			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
	62 PSIA			342	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented				TEST WITNESSED BY _____	
35. LIST OF ATTACHMENTS Electric, Acoustic, Denisty, Cement Bond, Collar logs					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Thorn S. Lunn</u>		TITLE <u>Engineer</u>		DATE <u>March 29, 1977</u>	

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

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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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Picture Cliff	1113 ft.	1292 ft.	Gas, Water	Kirtland Fruitland Picture Cliff	111 ft. 464 ft. 1113 ft.	SEE COMPLETION OR REGIONAL SURVEY

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Kirtland Fruitland Picture Cliff	111 ft. 464 ft. 1113 ft.	SEE COMPLETION OR REGIONAL SURVEY