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Form C-105
Revised 1-1-65

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

5a. Indicate Type of Lease: State [ ] Fee [X]

5. State Oil & Gas Lease No.: E-291-5

1a. TYPE OF WELL

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER [ ]

OIL WELL [ ] GAS WELL [X] DRY [ ] OTHER

7. Unit Agreement Name

8. Farm or Lease Name: Atlantic

2. Name of Operator: Merrion & Bayless

9. Well No.: 1

3. Address of Operator: Box 507, Farmington, New Mexico

10. Field and Pool, or Wildcat: Pictured Cliffs-S. Blanco ~~Undesignated~~

4. Location of Well: UNIT LETTER C LOCATED 790 FEET FROM THE N LINE AND 1470 FEET FROM THE W LINE OF SEC. 32 TWP. 26N RGE. 6W NMPM

12. County: Rio Arriba

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
April 30, 66	May 7, 66	May 23, 1966	6221 GL	6221

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
3408	3365	Pic. Cliffs-Chacra	→	0-TD	

24. Producing Interval(s), of this completion — Top, Bottom, Name

2328-2352 Pictured Cliffs
3192-3208 Chacra

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Induction Electric Accoustic Velocity Caliper

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	120	12 1/4	120 sax	None
4 1/2	9.5		6 3/4	180 sax	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)

3192-3208 - 32 holes (28 gm jet)

2328-2352 - 36 holes (28 gm jet)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3192-3208	30,000 gal water & 30,000# 10-20 mesh sand
2328-2352	50,000 gal water & 50,000# 10-20 mesh sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
		Waiting pipeline Conn.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
5-19-66	48 hrs.	2"	→		1600 Mcf/da Chacra		

Flow. Tubing Press.	Casing Press.	Calculated 24-Hour Rate	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
5-20-66	5 hrs.	2" →		6500 Mcf/da Pictured Cliffs		

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented

Test Witnessed By: J. G. Merrion

35. List of Attachments

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: Original Signed J. Gregory Merrion TITLE: Co-owner DATE: 5-26-66

RECEIVED
JUN 8 1966
OIL CON. COM.
DIST. 3

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 deepened well. It shall be accompanied by one copy of all electrical and radio-activity 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 quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo	1639	T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland	1854	T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs	2315	T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
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.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	3408	3408	Sand & shale				

NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool	Formation	County
South Blanco Pictured Cliffs	Pictured Cliffs	Rio Arriba

Initial	Annual	Special	Date of Test
X			6-3-66

Company	Lease	Well No.
Merrion & Bayless	Atlantic	1

Unit	Sec.	Twp.	Range	Purchaser
O	32	26N	6W	

Casing	Wt.	I.D.	Set at	Perf.	To
4.5		4.000		2328	52

Tubing	Wt.	I.D.	Set at	Perf.	To
1.25		1.380	2242		

Gas Pay:	From	To	L	G	GL	Bar. Press.
				.650		12.0

Producing Through:	Casing	Tubing	Type Well – Single – Braden head – G.G. or G.O. Dual
	X		Dual Gas

Date of Completion	Packer	Reservoir Temp.

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI						443		443		
1.		3/4				359	60	283		3 Hr.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF P D @ 15.025 psia
1.	12.3650		295	1.000	.9608	1.035	3627
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

P_c _____ $(1-e^{-S})$ _____ P_c 455 P_c^2 207025

No.	P_w or P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	371					137641	69384		
2.									
3.									
4.									
5.									

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JUN 27 1966
OIL CON. COM.
DIST. 3

ABSOLUTE POTENTIAL: 9185 MCFPD; n .85 2.5324

COMPANY Merrion & Bayless WITNESSED _____

ADDRESS P.O. Box 507 COMPANY Teftteller Inc

AGENT AND TITLE Gregory Merrion