

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 08-01-83
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APR 11 '88

**REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

O. C. D.
ARTESIAN OFFICE

I.
Operator Mallon Oil Company ✓
Address 1099 18th Street, Suite 2750, Denver, CO 80202

Reason(s) for filing (Check proper box)
☒ New Well
☐ Recompletion
☐ Change in Ownership
 Change in Transporter of:
☐ Oil
☐ Casinthead Gas
☐ Dry Gas
☐ Condensate
 Other (Please explain) CASINHEAD GAS MUST NOT BE FLARED AFTER 60 days. NO EXCEPTION FROM THIS R.L.M. IS OBTAINED

If change of ownership give name and address of previous owner _____

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II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Amoco-Federal</u>	Well No. <u>14</u>	Pool Name, including Formation <u>Brushy Draw Delaware</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No. <u>NM-38636</u>
Location Unit Letter <u>0</u> : <u>660</u> Feet From The <u>South</u> Line and <u>2030</u> Feet From The <u>East</u> Line of Section <u>28</u> Township <u>26S</u> Range <u>29E</u> NMPM, <u>Eddy</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ <u>Pride Pipeline Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 2436, Abilene, TX 79604</u>	
Name of Authorized Transporter of Casinthead Gas ☒ or Dry Gas ☐ <u>Conoco Inc.</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 2197, Houston, TX 77252</u>	
If well produces oil or liquids, give location of tanks. Unit <u>0</u> Sec. <u>28</u> Twp. <u>26S</u> Rge. <u>29E</u>	Is gas actually connected? <u>no</u>	When <u>Post 10-2 5-8-88 comp & bk.</u>

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

[Signature]
(Signature)
Production Assistant
(Title)
04-08-88
(Date)

OIL CONSERVATION DIVISION

APPROVED APR 28 1988, 19_____
BY Original Signed By
Mike Williams
TITLE Oil & Gas Inspector

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepener well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

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IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X							
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.S.T.D.			
02-02-88	03-25-88		6130'			6102'			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
2882.5' KB	Delaware		4871'			5050'			
Perforations						Depth Casing Shoe			
see below						6130'			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			
12 1/4"	8 5/8"		400.46'			508 ft ³ Class 'C' + 2%			
						CaCl ₂			
7 7/8"	5 1/2"		6130'			1st: 576 ft ³ 50/50 pozmix			
						Class 'C' + .4% (cont.)			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
04-06-88	04-07-88	pumping	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 hours	NA	NA	NA
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF
	248 BO	342 BW	250 MCFG

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

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Perforations:

6028-32	4'	16 holes
5242-45	3'	12 holes
4992-97	5'	20 holes
4871-88	17'	34 holes
		82 holes

Sacks Cement cont.

CF-1, 3% salt. 2nd: 640 ft³ 50/50 pozmix Class 'C' + .4% CF-1, 3% salt.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. NM-38636	
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. NAME OF OPERATOR Mallon Oil Company				7. UNIT AGREEMENT NAME	
4. ADDRESS OF OPERATOR 1099 18th Street, Suite 2750, Denver, CO 80202				8. FARM OR LEASE NAME Amoco-Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL, 2030' FEL, SW/4 SE/4 At top prod. interval reported below same At total depth same				9. WELL NO. 14	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Brushy Draw Delaware	
15. DATE SPUDDED 02-02-88 16. DATE T.D. REACHED 02-26-88 17. DATE COMPL. (Ready to prod.) 03-25-88 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 2882.5' KB 19. ELEV. CASINGHEAD 2878.5'				11. SEC., T., R., M., ON BLOCK AND SURVEY OR AREA Sec. 28, T26S, R29E	
20. TOTAL DEPTH, MD & TVD 6130' 21. PLUG, BACK T.D., MD & TVD 6102' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS X CABLE TOOLS _____				12. COUNTY OR PARISH Eddy	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4871-88', 6028-32' [DELAWARE]				13. STATE NM	
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-GR, CNL-FDC-GR w/ AMS				25. WAS DIRECTIONAL SURVEY MADE no	
27. WAS WELL CORED no					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	CEMENTING RECORD	
8 5/8"		24#/ft	400.46'	508 ft ³ Class 'C' + 2% CaCl ₂	
5 1/2"		15.5#/ft	6130'	1st: 576 ft ³ 50/50 pozmix Class 'C' + .4% CF-1, 3% salt. 2nd: 640 ft ³ 50/50 pozmix Class 'C' + .4% CF-1, 3% salt.	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2 7/8"	5050'				
31. PERFORATION RECORD (Interval, size and number)					
6028-32	4'	16 holes			
5242-45	3'	12 holes			
4992-97	5'	20 holes			
4871-88	17'	34 holes			
		82 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
4871-88'		45,000 gals gelled water & 58,000# of sand			
6028-32'		10,000 gals gelled water & 12,800# of sand			
33. PRODUCTION					
DATE FIRST PRODUCTION 04-05-88		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping			WELL STATUS (Producing or shut-in) producing
DATE OF TEST 04-07-88	HOURS TESTED 24	CHOKE SIZE NA	PROD'N. FOR TEST PERIOD 248	OIL—BBL. 248	GAS—MCF. 250
WATER—BBL. 324	GAS-OIL RATIO 1008 scf/stb				
FLOW. TUBING PRESS. NA	CASING PRESSURE NA	CALCULATED 24-HOUR RATE 248	OIL—BBL. 248	GAS—MCF. 250	WATER—BBL. 324
OIL GRAVITY-API (CORR.) 35					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented					
35. LIST OF ATTACHMENTS SJS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <i>[Signature]</i>		TITLE Production Assistant		DATE 04-08-88	

*(See Instructions and Space for Attachments on Reverse Side)

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.
Delaware	2780	BTD	Fine grained sandstone & shale
Ramsey Sand	2802	2813	Fine grained sandstone, sso & gas
Williamson Sd	4806	4890	Fine grained sandstone & shale with oil and gas shows
Getty Sand	5208	5297	Fine grained sandstone, w/ sso gas
			Drill stem test 5204-5319' Open 15 min, (Pressures Unreadable); shut in 60 min, 2628 psi; second flow, 30 min, 739-592 psi; second SI, 2546 psi, pressures may not be valid, tool slipped in fill, recovered 3 collars full of sand.

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38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Top Bell Canyon	2780	
Top Cherry Canyon	3704	
Top Brushy Canyon	5054	

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