DHC 9/13/99

625 N. French Dr., Hobbs, NM 88240 DISTRICT II 11 South First St., Artesia, NM 88216 UG 2 3 19 DISTRICT III 000 Rto Brazos Rd, Artec, NM 82410 DISTRICT IV 040 S. Pacheco, Sania Fe, NM 87505	State of Ne Energy, Minerals and Natur 199 OIL CONSERVA 2040 S. F Santa Fe, New Me	ral Resources Department TION DIVISION Pacheco exico 87505-6429	Form C-107-A Revised March 17, 1999 APPROVAL PROCESS:AdministrativeHearing EXISTING WELLBOREX_YESNO
Mewbourne Oil Comp	any P.O.	Box 7698, Tyler, 5	Texas 75711
Avalon "31" State		-T31S-R26E	Eddy County
OGRID NO. 14744 Property Code		Sρ	acing Unit Lease Types: (check 1 or more)
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
Pool Name and Pool Code	Hackberry Hills Canyon - 77920		Hackberry Hills Atoka - 96239
Top and Bottom of Pay Section (Perforations)	9528' - 9536' 9544' - 9554'		10,277'-10,283' 10,244'-10,252'
3. Type of production (Oil or Gas)	Gas		Gas
Method of Production (Flowing or Artilicial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift:	^{a (Current)} 4000 psig (est)	a.	^{a.} 4500 psig (est)
Estimated Current Gas & Oil - Flowing: Measured Current	b. ^(Original)	b.	ხ.
All Gas Zones: Estimated Or Measured Original	4558 psig (calc	11	5237 psig (calc)
6. Oil Gravity (°API) or Gas BTU Content	1211 BTU/cuft	Toper Digital Company	1085 BTU/cuft
7. Producing or Shut-In?	Producing	romani, in the growth of the state of the st	Producing
	Yes		Yes
Production Marginal? (yes or no)	Date:	Date: Rates:	Date: Rates:
 If Shut-In, give date and oil/gas/ water rates of last production Note: For new zones with no production history. 			
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date andoil/gas/	Date: 7/20/99 Rates:3 BO, 10 BW,	Dale: Rates:	Date: 7/15/99 Rates: No cond or
 If Producing, give date andoil/gas/ water rates of recent test (within 60 days) 	342 MCF/D	:	wtr, 317 MCF/D
Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: 100% Gas: 52%	Oil: Gas: %	Oil: 0 % Gas: 48 %
If allocation formula is based submit attachments with supp	upon something other than cuporting data and/or explaining	irrent or past production, or is method and providing rate pro	based upon some other methoc jections or other required data.
 Are all working, overriding, an If not, have all working, overri Have all offset operators been of 	d royalty interests identical in a iding, and royalty interests bee given written notice of the propos	all commingled zones? n notified by certified mail? sed downhole commingling?	_X Yes No Yes No Yes No
11 Will cross-flow occur?	/es- · XNo If yes, are fluids o	compatible, will the formations nula be reliable. Yes	not be damaged, will any cross No (If No. attach explanation)
12. Are all produced fluids from a	· ·		es No
13. Will the value of production bo	# 7 7		, attach explanation)
 If this well is on, or communiting United States Bureau of Land 	zed with, state or federal lands, Management has been notifie	, either the Commissioner of Pi d in writing of this application <u>.</u>	ublic Lands or the XYes No
15. NMOCD Reference Cases for 16. ATTACHMENTS:	Rule 303(D) Exceptions	ORDER NO(S). None	
* C-102 for each zon * Production curve for * For zones with no performance of the comport allow * Notification list of a	e to be commingled showing it or each zone for at least one ye production history, estimated p ocation method or formula. Il offset operators, working, overriding, and royalty ements, data, or documents re		
I hereby certify that the informatic	n above is true and complete t	to the best of my knowledge a	nd belief.
1/1/1	there	TITLE Eng. Mgr.	
· · · · · · · · · · · · · · · · · · ·	1		

Attachments Mewbourne Oil Company Avalon "31" State No. 1 Unit H, Section 31, T21S, R 26E Eddy Co., New Mexico

- 1) Original C-102 dated 5-7-99. C-102 showing spacing units for Hackberry (Canyon) and Hackberry (Atoka).
- There is no production curve for either zone due to perforating the Canyon four days after perforating the Atoka. The production data for the Atoka is based on flow tests performed directly after perforating the zones of interest. Production data for the Canyon is determined from the overall rate increase incurred by the addition of the Canyon zone.

Atoka

<u>Time</u>	<u>FTP</u>	<u>Choke</u>
11:30 pm to 2:00 pm	440# to 210#	20/64"
2:00 pm to 5:00 pm	240#	20/64"

At 5:00 pm on 7/14/99, the Atoka was flowing on 32/64" choke, FTP 340# @ 312 MCFPD.

Canyon

After perforating the Canyon, the combined Atoka and Canyon zone's rate was 654 MCFPD. Therefore, the rate of production from the Canyon is 342 MCFPD.

3) Estimated production rates and supporting data: Gas rates since initial deliveries to pipeline on 7/16/99:

Date	MCF/D	FTP
7/16/99	654	340
7/23/99	530	350
7/30/99	319	420
8/6/99	278	390
8/11/99	261	350
8/17/99	434	80*

* A compressor was installed to reduce back pressure. Production rates are expected to be back to approximately 250 MCF/D in one month and continue to decline from that point. This is an extremely poor producer due to the low permeability of the reservoir. Production of the remaining reserves is a salvage operation.

- 4) Allocation formula based upon intitial rates. See item 2 above.
- 5) Offset operator notification not required.
- 6) No uncommon interest owners.
- As evidenced by daily production rates shown in Item 3 above, this well is an extremely poor producer. A compressor has been required to maintain production as long as possible. Were this well required to be multiply completed, the economics of doing so could not justify the work. Commingling of these two zones will allow the salvaging of reserves that could not otherwise be recovered.

Energy, Minerals and Natural Resources Departme

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia. NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. BOX 2088, SANTA FE. N.M. 67504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

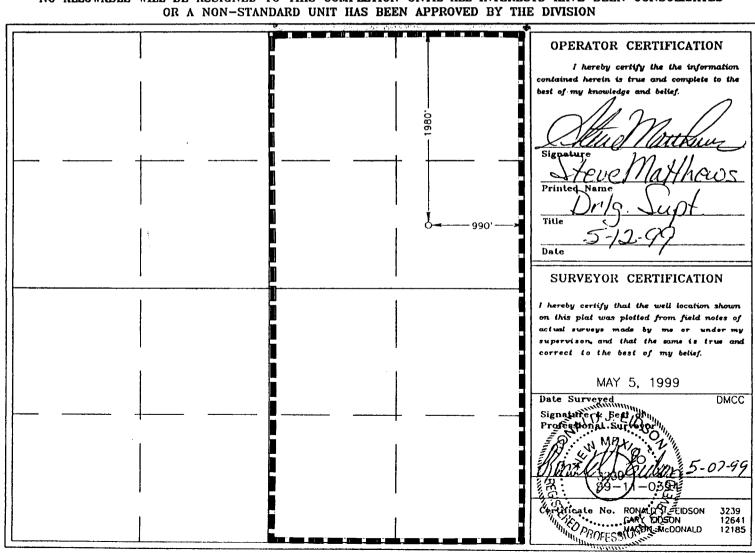
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API			Pool Code		Pool Name					
Property Code					Property Name W AVALON HILLS 31 STATE				Well Number	
OGRID NO		Operator Name MEWBOURNE OIL CO.				Elevation 3308				
Surface Location										
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County	
Н	31	21 S	26 E		1980	NORTH	990	EAST	EDDY	
			Bottom	Hole Loc	cation If Diffe	rent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres Joint or Infill Consolidation Code Order No.										

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED



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P.O. Box 2088

Santa Fc, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number	ĺ		Paal Cade		Pool Name					
Property Code			Property Name					Well Number			
		·		SW AV	ALON LIHELS	31 STATE		1			
OGRID No. / Operator Name				i i i i i i i i i i i i i i i i i i i							
1474	ANGLE MEWBOURNE OIL CO.						3308				
	Surface Location										
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Н	31	21 S	26 E		1980	NORTH	990	EAST	EDDY		
Bottom Hole Location If Different From Surface											
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Dedicated Acre	s Joint	r Infill Co	nsolidation	Code Or	der No.		L	L	<u></u>		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

