

N.M. Oil Cons. Division
811 S. 1st Street
Albuquerque, NM 87102-2834

UNITED STATES

SUBMIT IN DUPLICATE

(See other
instructions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <u>INJECTOR</u>		5. LEASE DESIGNATION AND SERIAL NO. NMM 01119	
b. TYPE OF COMPLETION: NEW <input checked="" type="checkbox"/> RE-AR WORK <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR EXXON CORPORATION ATTN: REGULATORY AFFAIRS		7. UNIT AGREEMENT NAME NMM 94450X	
3. ADDRESS OF OPERATOR P.O. BOX 1600 MIDLAND, TX 79702		8. FARM OR LEASE NAME AVALON (DELAWARE) UNIT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* 1337' FSL & 1324' FWL At surface At top prod. interval reported below At total depth		9. WELL NO. 542W	
14. PERMIT NO. 3001528684		12. COUNTY OR PARISH EDDY	
15. DATE SPUDDED 05/24/96		13. STATE NM	
16. DATE T.D. REACHED 06/02/96		10. FIELD AND POOL, OR WILDCAT AVALON DELAWARE 3715	
17. DATE COMPL. (Ready to prod.) 07/05/96		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC 31, T20S, R28E	
18. ELEVATIONS (DF, RKB, RT, GR ETC.)* 3292 KB, 3279 GL		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 3875		21. PLUG, BACK T.D., MD & TVD 3840	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION---TOP, BOTTOM, NAME (MD AND TVD)* 2644-3774' INJECTION INTERVAL (DELAWARE)		25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN NEUTRON-DENSITY-GR; AIT-MICROLOG-GR; RFT		27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE
16	LINE PIPE	40	20
10-3/4	40.5	261	14-3/4
7-5/8	26.4	2509	9-7/8
4-1/2	12.75, 5.41	3874	8-3/4
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
4-1/2	2316	3874	340 SX
F.G.			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8	2316		
31. PERFORATION RECORD (Interval, size and number) 2644-3774' 3-1/8" GUN 1 SPF TOTAL 91 SHOTS			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
3706-3774		2 BBL 7.5% HCL; FRAC W/	
183000 GAL +		35100# 13/60	
2644-2764		2 BBL 7.5% HCL; FRAC W/	
20500 GAL +		57000# 16/30	
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping---size and type of pump)	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD. FOR TEST PERIOD	
OIL---BBL.		GAS---MCF.	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL---BBL.	
GAS---MCF.		WATER---BBL.	
DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS LOGS; DIRECTIONAL SURVEY; 1000# CSG INTEGRITY CHART			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Julie H. Mitchell</u>		TITLE <u>Staff Office Assistant</u>	
(915) 688-7888		DATE <u>07/24/96</u>	

*(See Instructions and Spaces for Additional Data 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.
T ANY DELAWARE SAND	450 2480		OIL, GAS AND WATER OIL, GAS AND WATER

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
CARBONATE ANHYDRITE CARBONATE SAND	0 450 550 2600	450 550 2600 3880

LEASE & WELL

ADU #542

LOCATION

(Give Unit, Section, Township and Range)

OPERATOR

Exxon Company U.S.A.

JUN

DRILLING CONTRACTOR

NABORS DRILLING USA, INC.

The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH

DEGREES @ DEPTH

DEGREES @ DEPTH

DEGREES @ DEPTH

1/2 @ 261

1 @ 627

2 3/4 @ 958

3 @ 1147

3 1/4 @ 1555

3 @ 1778

3 @ 2030

2 1/4 @ 2282

2 @ 2510

3/4 @ 2997

1 1/2 @ 3491

2 @ 3870

Drilling Contractor

Nabors Drilling USA, Inc.

By

Jimmy Stroud

Subscribed and sworn to before me this 14th day of May, 1996

Bernice K. Holder

Notary Public

My Commision Expires

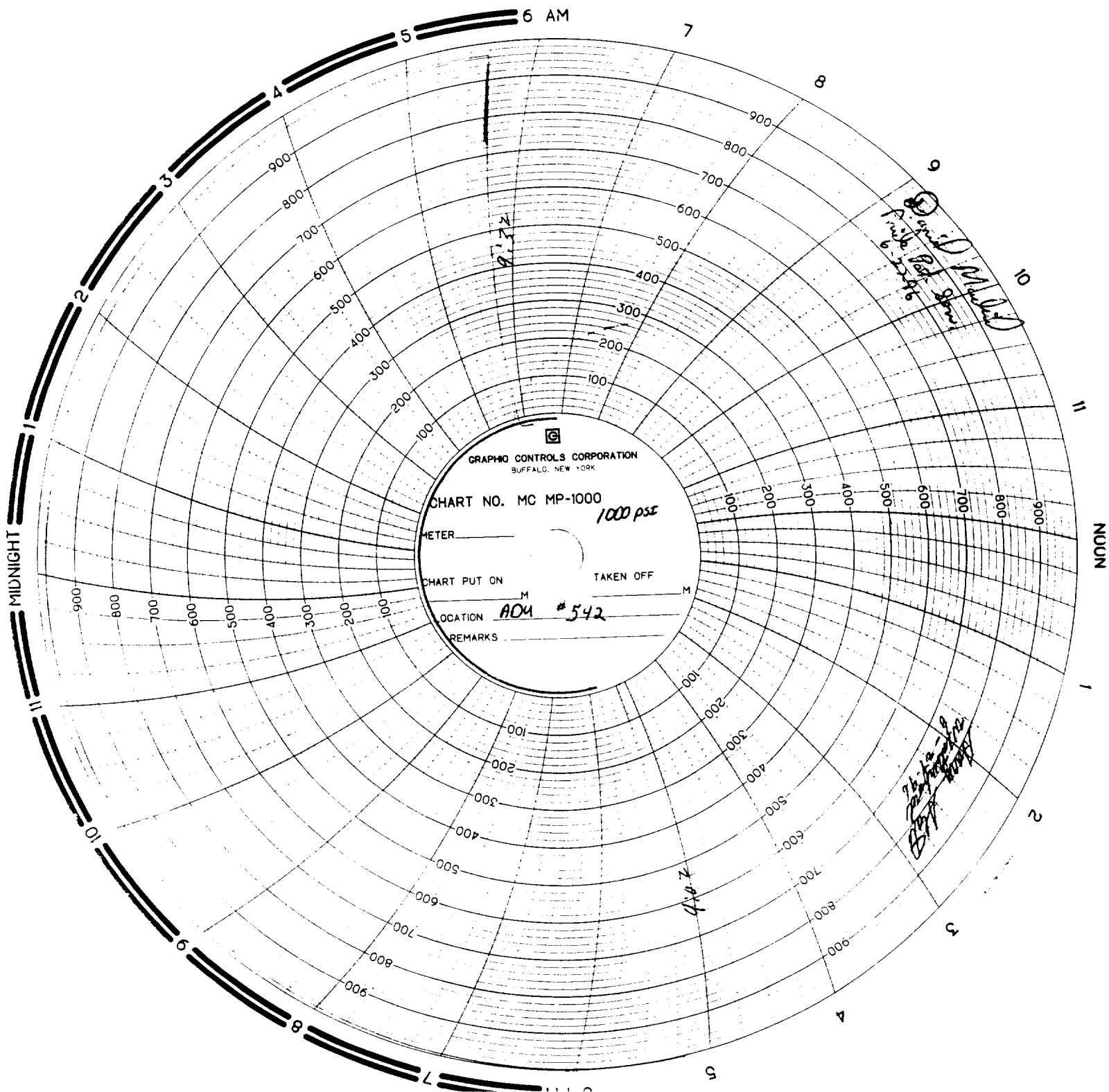
MIDLAND

County

TEXAS



OFFICIAL SEAL
BERNICE K. HOLDER
NOTARY PUBLIC
STATE OF TEXAS
My Comm Expires 12-06-97



COMPANY: Exxon Company U.S.A.

WELL: Avalon Delaware Unit No. 542

FIELD: Avalon Delaware

COUNTY: Eddy

STATE: New Mexico

COUNTY: Eddy Field: Avalon Delaware Location: 1337' FSL and 1324' FWL Well: Avalon Delaware Unit No. 542 Company: Exxon Company U.S.A.	LOCATION		Schlumberger		Platform Express Compensated Neutron Litho-Density / NGT / SP			
					1337' FSL and 1324' FWL		Elev.: K.B. 3292 F G.L. 3279 F D.F. 3291 F	
					Permanent Datum: Ground Level		Elev.: 3279 F	
					Log Measured From: Kelly Bushing		13.0 F above Perm. Datum	
				Drilling Measured From: Kelly Bushing				
API Serial No. 30-015-28684			SECTION 31		TOWNSHIP 20-S		RANGE 28-E	
Logging Date			02 June, 1996					
Run Number			One					
Depth Driller			3870 F					
Schlumberger Depth			3880 F					
Bottom Log Interval			3860 F					
Top Log Interval			150 F					
Casing Driller Size @ Depth			7.625 IN @ 2509 F		@			
Casing Schlumberger			2509 F					
Bit Size			6.750 IN					
Type Fluid In Hole			Gel / Fresh Water					
MUD	Density	Viscosity	8.5 LB/G	36 S				
	Fluid Loss	PH	11.2 C3	11				
	Source Of Sample		Circulation Tank					
	RM @ Measured Temperature		1.180 OHMM @ 78 DEGF		@			
RMF @ Measured Temperature		1.180 OHMM @ 78 DEGF		@				
RMC @ Measured Temperature		@		@				
Source RMF		RMC	Measured					
RM @ MRT		RMF @ MRT	0.955 @ 98	0.955 @ 98	@		@	
Maximum Recorded Temperatures			98 DEGF					
Circulation Stopped		Time	02 June, 1996		11.30			
Logger On Bottom		Time	02 June, 1996		See Log			
Unit Number		Location	3015 Roswell					
Recorded By			Fatih M. Kara					
Witnessed By			David Rosen/Janet Baker					

COMPANY: Exxon Company U.S.A.

WELL: Avalon Delaware Unit No. 542

FIELD: Avalon Delaware

COUNTY: Eddy

STATE: New Mexico

COUNTY: Eddy Field: Avalon Delaware Location: 1337' FSL and 1324' FWL Well: Avalon Delaware Unit No. 542 Company: Exxon Company U.S.A.	Platform Express			
	Schlumberger			
	Micro Log			
	Gamma-Ray /SP			
LOCATION	1337' FSL and 1324' FWL	Elev.: K.B. 3292 F G.L. 3279 F D.F. 3291 F		
	Permanent Datum: Ground Level	Elev.: 3279 F		
	Log Measured From: Kelly Bushing	13.0 F above Perm. Datum		
	Drilling Measured From: Kelly Bushing			
API Serial No. 30-015-28684		SECTION 31	TOWNSHIP 20-S	RANGE 28-E
MUD	Logging Date		02 June, 1996	
	Run Number		One	
	Depth Driller		3870 F	
	Schlumberger Depth		3880 F	
	Bottom Log Interval		3860 F	
	Top Log Interval		2509 F	
	Casing Driller Size @ Depth		7.625 IN @ 2509 F @	
	Casing Schlumberger		2509 F	
	Bit Size		6.750 IN	
	Type Fluid In Hole		Gel / Fresh Water	
	Density	Viscosity	8.5 LB/G	36 S
	Fluid Loss	PH	11.2 C3	11
	Source Of Sample		Circulation Tank	
	RM @ Measured Temperature		1.180 OHMM @ 78 DEGF @	
	RMF @ Measured Temperature		1.180 OHMM @ 78 DEGF @	
	RMC @ Measured Temperature		@ @	
	Source RMF	RMC	Measured	
RM @ MRT	RMF @ MRT	0.955 @ 98	0.955 @ 98 @ @	
Maximum Recorded Temperatures		98 DEGF		
Circulation Stopped		Time	02 June, 1996 11.30	
Logger On Bottom		Time	02 June, 1996 See Log	
Unit Number	Location	3015 Roswell		
Recorded By		Fatih M. Kara		
Witnessed By		David Rosen/Janet Baker		

COMPANY: Exxon Company U.S.A.

WELL: Avalon Delaware Unit No. 542

FIELD: Avalon Delaware

COUNTY: Eddy

STATE: New Mexico

COUNTY: Eddy Field: Avalon Delaware Location: 1337' FSL and 1324' FWL Well: Avalon Delaware Unit No. 542 Company: Exxon Company U.S.A.	Schlumberger		Platform Express Array Induction Gamma-Ray / SP				
	1337' FSL and 1324' FWL		Elev.: K.B. 3292 F G.L. 3279 F D.F. 3291 F				
	Permanent Datum: Ground Level		Elev.: 3279 F				
	Log Measured From: Kelly Bushing		13.0 F above Perm. Datum				
Drilling Measured From: Kelly Bushing							
API Serial No. 30-015-28684		SECTION 31		TOWNSHIP 20-S		RANGE 28-E	
MUD	Logging Date		02 June, 1996				
	Run Number		One				
	Depth Driller		3870 F				
	Schlumberger Depth		3880 F				
	Bottom Log Interval		3880 F				
	Top Log Interval		2509 F				
	Casing Driller Size @ Depth		7.625 IN @ 2509 F		@		
	Casing Schlumberger		2509 F				
	Bit Size		6.750 IN				
	Type Fluid In Hole		Gel / Fresh Water				
	Density	Viscosity	8.5 LB/G	36 S			
	Fluid Loss	PH	11.2 C3	11			
	Source Of Sample		Circulation Tank				
	RM @ Measured Temperature		1.180 OHMM	@ 78 DEGF	@		
	RMF @ Measured Temperature		1.180 OHMM	@ 78 DEGF	@		
	RMC @ Measured Temperature			@	@		
	Source RMF RMC		Measured				
	RM @ MRT RMF @ MRT		0.955 @ 98	0.955 @ 98	@	@	
	Maximum Recorded Temperatures		98 DEGF				
	Circulation Stopped Time		02 June, 1996	11.30			
Logger On Bottom Time		02 June, 1996	See Log				
Unit Number Location		3015 Roswell					
Recorded By		Fatih M. Kara					
Witnessed By		David Rosen/Janet Baker					

#2412

COMPANY: Exxon Company U.S.A.

WELL: Avalon Delaware Unit No. 542

FIELD: Avalon Delaware

COUNTY: Eddy

STATE: New Mexico

COUNTY: Eddy Field: Avalon Delaware Location: 1337' FSL and 1324' FWL Well: Avalon Delaware Unit No. 542 Company: Exxon Company U.S.A.	LOCATION		Schlumberger		Repeat Formation Tester Gamma Ray			
			1337' FSL and 1324' FWL		Elev.: K.B. 3292 F G.L. 3279 F D.F. 3291 F			
	Permanent Datum: Ground Level		Elev.: 3279 F					
	Log Measured From: Kelly Bushing		13.0 F above Perm. Datum					
Drilling Measured From: Kelly Bushing								
API Serial No. 30-015-28684		SECTION 31		TOWNSHIP 20-S		RANGE 28-E		
Logging Date		02 June, 1996						
Run Number		One						
Depth Driller		3870 F						
Schlumberger Depth		3880 F						
Bottom Log Interval		3714 F						
Top Log Interval		2711 F						
Casing Driller Size @ Depth		7.625 IN @ 2509 F		@				
Casing Schlumberger		2509 F						
Bit Size		6.750 IN						
Type Fluid In Hole		Gel / Fresh Water						
MUD	Density	Viscosity	8.5 LB/G	36 S				
	Fluid Loss	PH	11.2 C3	11				
	Source Of Sample		Circulation Tank					
	RM @ Measured Temperature	1.180 OHMM	@	78 DEGF	@			
	RMF @ Measured Temperature	1.180 OHMM	@	78 DEGF	@			
	RMC @ Measured Temperature		@		@			
	Source RMF	RMC	Measured					
	RM @ MRT	RMF @ MRT	0.955 @ 98	0.955 @ 98	@	@		
	Maximum Recorded Temperatures		98 DEGF					
	Circulation Stopped	Time	02 June, 1996	11:30				
Logger On Bottom	Time	02 June, 1996	22:40					
Unit Number	Location		3015	Roswell				
Recorded By		George Watkins						
Witnessed By		David Rosen/Janet Baker						