Schlumberger Anadrill

MDC Operations
9900 West Interstate 20
Midland, Texas 79706
Phone (915) 563-3057
Fax (915) 563-3059

May 2, 1999

SUR : Unit K
2197/S & 2255/W
BHL: Unit P
533/S & 4033/W

Oil Conservation Division
District I
P.O. Box 1960
Hobbs, New Mexico 88241-1960

Re: CONOCO
MCA 387H
Section 27, T 17S, R 32E
Lea County, NM.
API # 30-025-35142

Enclosed, please find the original and one copy of the survey performed on the referenced well by Anadrill, a division of Schlumberger Technology Corporation. Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
John Willis MWD I	#01	4847' to 6277'	1/26/01 - 1/30/01	MWD

A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

John Willis

Cc: CONOCO

Enclosures: 2

Schlumberger | Anadrill

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State of New Mexico
County of Lea

I, John Willis, certify that; I am employed by Anadrill, a division of Schlumberger Technology Corporation; that I did on the day's of 1/26/01 through 1/30/01 conduct or supervise the taking of MWD surveys from a depth of 4847 feet to a depth of 6267 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Anadrill, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of CONOCO, for the MCA 387H, API # 30-025-35142, in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Anadrill, a division of Schlumberger Technology Corporation.

John Willis,
MWD I

Proposed Well Profile

Report Date:	February 2, 2001	**Survey / DLS Computation Method:**	Minimum Curvature / Lubinski
Client:	Conoco	**Vertical Section Azimuth:**	133.200°
Field:	Lea County, NM	**Vertical Section Origin:**	N 0.000 ft, W 0.000 ft
Structure / Slot:	Maljamar Field / Maljamar Field	**TVD Reference Datum:**	
Well:	MCA 387H	**TVD Reference Elevation:**	0.0 ft relative to
Borehole:	MCA 387H	**Sea Bed / Ground Level Elevation:**	0.000 ft relative to
UWI/API#:		**Magnetic Declination:**	8.908°
Proposal Name / Modified Date:	final / February 1, 2001	**Total Field Strength:**	50057.036 nT
Tort / AHD / DDI /ERD ratio:	135.033° / 3669.08 ft / 5.871 / 0.876	**Magnetic Dip:**	60.948°
Grid Coordinate System:	NAD27 New Mexico State Planes, Eastern Zone, US Feet	**Declination Date:**	January 25, 2001
Location Lat/Long:	N 32 48 15.800, W 103 45 19.800	**Magnetic Declination Model:**	BGGM 2000
Location Grid N/E Y/X:	N 656832.753 ftUS, E 677545.148 ftUS	**North Reference:**	Grid North
Grid Convergence Angle:	+0.31306187°	**Total Corr Mag North -> Grid North:**	+8.595°
Grid Scale Factor:	0.99994519	**Local Coordinates Referenced To:**	Structure Reference Point

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N/-S (ft)	E/-W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Tie-In	4847.00	84.40	138.80	4026.24	1015.65	-676.33	758.15	1015.98	131.74	1.98	111.9
	4911.00	84.20	139.30	4032.60	1079.00	-724.43	799.89	1079.18	132.17	0.84	-97.3
	4974.00	83.90	136.90	4039.13	1141.43	-771.07	841.73	1141.51	132.49	3.82	-140.2
	5038.00	82.00	135.30	4046.99	1204.86	-816.83	885.77	1204.91	132.68	3.87	-79.7
	5102.00	82.20	134.20	4055.78	1268.23	-861.46	930.79	1268.26	132.78	1.73	-63.3
	5165.00	83.00	132.60	4063.90	1330.70	-904.39	976.18	1330.73	132.81	2.82	10.6
	5228.00	84.60	132.90	4070.70	1393.32	-946.90	1022.17	1393.36	132.81	2.58	180.0
	5292.00	83.00	132.90	4077.61	1456.95	-990.21	1068.78	1456.98	132.81	2.50	-138.0
	5356.00	81.90	131.90	4086.02	1520.38	-1032.99	1115.62	1520.42	132.80	2.31	-113.5
	5419.00	81.60	131.20	4095.06	1582.71	-1074.34	1162.28	1582.76	132.75	1.20	-113.5
	5483.00	81.30	130.50	4104.58	1645.94	-1115.74	1210.16	1646.01	132.68	1.18	26.3
	5547.00	81.70	130.70	4114.04	1709.17	-1156.93	1258.22	1709.27	132.60	0.70	90.0
	5609.00	81.70	132.90	4122.99	1770.50	-1197.82	1303.95	1770.61	132.57	3.51	26.4

	5672.00	82.90	133.50	4131.43	1832.93	-1240.56	1349.46	1833.04	132.59	2.13	28.9
	5735.00	83.80	134.00	4138.73	1895.50	-1283.83	1394.66	1895.60	132.63	1.63	0.0
	5798.00	84.60	134.00	4145.09	1958.18	-1327.37	1439.75	1958.26	132.67	1.27	15.5
	5862.00	86.40	134.50	4150.11	2021.96	-1371.89	1485.45	2022.03	132.72	2.92	84.3
	5926.00	86.50	135.50	4154.08	2085.81	-1417.05	1530.61	2085.86	132.79	1.57	-170.0
	5988.00	84.80	135.20	4158.78	2147.58	-1461.03	1574.06	2147.62	132.87	2.78	170.1
	6050.00	83.10	135.50	4165.31	2209.19	-1504.89	1617.39	2209.22	132.94	2.78	-41.5
	6114.00	84.00	134.70	4172.50	2272.75	-1549.94	1662.28	2272.77	133.00	1.88	-135.2
	6177.00	83.90	134.60	4179.14	2335.38	-1593.97	1706.84	2335.39	133.04	0.22	0.0
	6239.00	84.70	134.60	4185.30	2397.06	-1637.28	1750.77	2397.06	133.08	1.29	0.0
TD	6277.00	84.70	134.60	4188.81	2434.88	-1663.85	1777.71	2434.89	133.11	0.00	0.0

Survey Error Model: *(No Error Model Selected)*

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	43329	Maljamar Grayburg/SA

Property Code	Property Name	Well Number
	MCA	387H

OGRID No.	Operator Name	Elevation
005073	CONOCO INC.	3969'

Surface Location

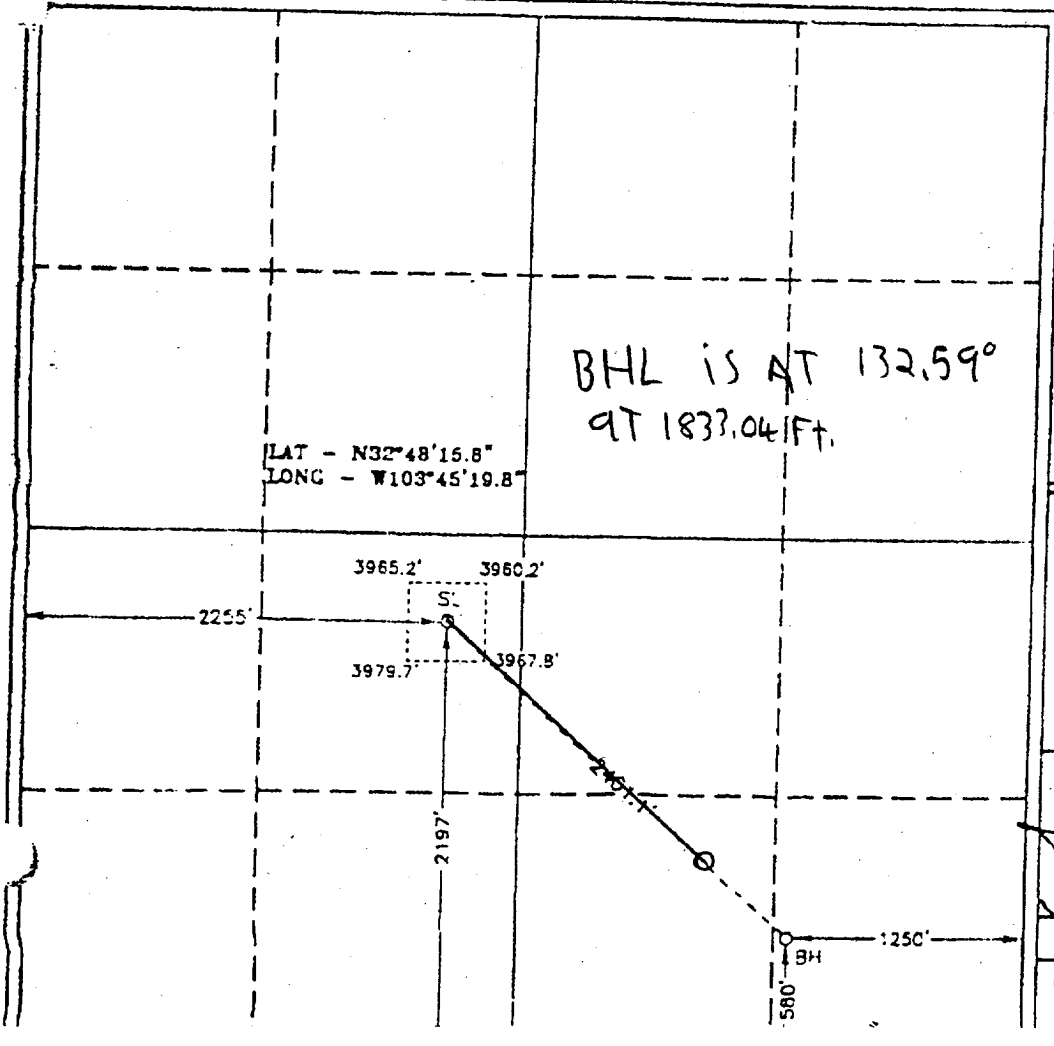
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	17 S	32 E		2197	SOUTH	2255	WEST	LEA

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
P	27	17 S	32 E		580	SOUTH	1250	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			Waterflood Division Order R - 2403

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



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature

JoAnn Johnson
Printed Name

Sr. Property Analyst
Title

July 12, 2000
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

June 16, 2000
Date Surveyed

Signature & Seal of Professional Surveyor
GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

W.O. No. 0034A

Certificate No. Gary L. Jones 7977