

OCD-ARTESIA

SEP 07 2007

OCD-ARTESIA

Form 3160-3
(April 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NM 108988
2. Name of Operator MURCHISON OIL & GAS, INC.		6. If Indian, Allottee or Tribe Name
3a. Address 1100 MIRA VISTA BLVD., PLANO, TX. 75093-4698	3b. Phone No. (include area code) 972-931-0700	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SURF. LOC: 660' FSL & 860' FEL SEC. 4, T17S. R23E BHL: 760' FNL & 760' FEL		8. Well Name and No DAINWOOD DRAW 4 FED #1
		9. API Well No 30-015-35175
		10. Field and Pool, or Exploratory Area WILDCAT WOLFCAMP
		11. County or Parish, State EDDY CO., NM.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Trip in hole w/ DP open ended to 4603' and pump 50 SXS Class "C" + 3% S1. Trip out of hole w/ 10 stds. WOC 4 HRS. Tag top of plug @ 4412'. Trip out of hole and lay down 34 jts. of DP. Pump 25 SXS Class "C". Cement plug @ 3495'. Pull 10 Stds and WOC 4 HRS. Trip in hole to tag. No tag. Pump 40 SXS Class "C" Cement plug second time @ 3495'. WOC 3 HRS. Trip in hole and tag top of plug @ 3323'. Trip out hole & lay down 12 Jts of DP. Pump 40 SXS Class "C". Cement plug @ 3145'. Trip out of hole w/ 10 Stds & WOC 3 Hrs. Trip in hole & tag plug @ 2927'. TOH with 29 Jts of DP. Pump 40 SXS Class "C" cement. Plug @ 2280'. TOH w/ 10 Stds. WOC 3.5 HRS. TOH & lay down 29 Jts of DP. TIH w/ 10 Stds. Pump 40 SXS Class "C". Cement plug @ 1364'. TOH w/ 10 stands & WOC 4 Hrs. TIH and tag plug @ 1258'. TOH & LD 30 Jts of DP. Pump 25 SXS Class "C" cement plug @ 350'. TOH & WOC 3 HRS. TIH. Did not tag plug. Pump 25 SXS Class "C" cement plug a second time @ 350'. TIH & tag cement plug @ 232'. Perforate 7-5/8" csg @ 200'. TIH to 194' and pump cement on both sides of casing to surface. Circ. 5 SXS to surface. ND BOP & lay down BOP. Cut off wellhead. Install P&A marker. All cement for plugs Class "C" + 3% S1.

Accepted for record
NMOCD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

MICHAEL S. DAUGHERTY

Title VP OPERATIONS

Signature

Date

08/14/2007

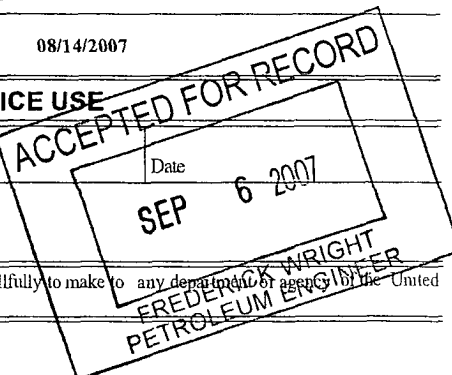
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Well File

OPERATOR MURCHISON OIL & GAS
WELL/LEASE DRAINWOOD DRAW FED 4 #1
COUNTY EDDY CO, NM

510-5079

STATE OF NEW MEXICO
DEVIATION REPORT

178	0.50
176	0.50
635	1.25
1,110	1.75
1,270	3.00
1,367	3.00
1,623	1.25
1,780	1.25
1,939	1.00
2,098	0.50
2,417	1.00
2,765	0.75
3,055	1.00
3,173	0.25
3,375	0.75
3,757	0.25
4,137	0.25
4,329	1.25
4546 (TD)	1.25

Accepted for record
NMOCD

BY: Steve Moore

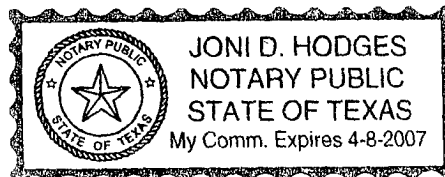
STATE OF TEXAS

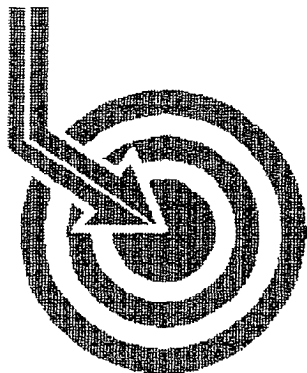
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

January 25, 2007, by Steve

Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires 4/08/07





Scientific Drilling

MURCHINSON OIL & GAS

Field: Wildcat
Site: Eddy County, NM
Well: Dainwood Draw Fed 4 #1
Wellpath: VH - Job #32K0107001
Survey: 01/01/07

Accepted for record
NMOCD

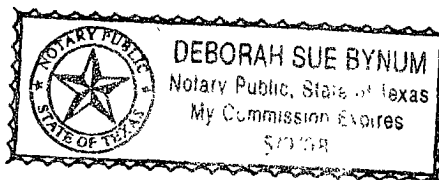
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Wharton*..... Company Representative

Notorized this date 11th of January, 2006.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: MURCHINSON OIL & GAS
Field: Wildcat
Site: Eddy County, NM
Well: Dainwood Draw Fed 4 #1
Wellpath: VH - Job #32K0107001

Date: 01/02/2007 Time: 10:10:52 Page: 1
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,143.59Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 01/01/07 Start Date: 01/01/2007
KSRG 0'-4525'
Company: Scientific Drilling Internatio Engineer: Gonzales w/GeoGyro
Tool: Keeper;Keeper Gyro Tied-to: From Surface

Survey

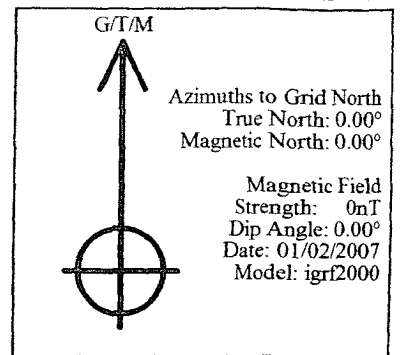
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.23	171.19	100.00	0.18	-0.20	0.03	0.23	0.20	171.19
200.00	0.41	162.27	200.00	0.69	-0.74	0.17	0.19	0.76	166.99
300.00	0.40	159.82	300.00	1.37	-1.41	0.40	0.02	1.46	164.13
400.00	0.32	38.37	399.99	1.63	-1.51	0.69	0.63	1.67	155.40
500.00	0.40	52.39	499.99	1.55	-1.08	1.14	0.12	1.57	133.44
600.00	0.51	82.69	599.99	1.76	-0.81	1.86	0.26	2.03	113.59
700.00	0.89	132.77	699.98	2.74	-1.28	2.87	0.69	3.15	114.08
800.00	1.33	151.81	799.96	4.65	-2.83	3.99	0.57	4.90	125.38
900.00	1.92	166.23	899.92	7.34	-5.48	4.94	0.71	7.38	138.00
1000.00	2.17	174.76	999.86	10.51	-9.00	5.51	0.39	10.55	148.51
1100.00	2.43	173.24	1099.78	13.97	-12.99	5.93	0.27	14.28	155.45
1200.00	2.63	170.55	1199.68	17.86	-17.36	6.56	0.23	18.55	159.30
1300.00	2.68	170.41	1299.57	21.99	-21.92	7.32	0.05	23.11	161.53
1400.00	2.45	168.83	1399.47	26.01	-26.33	8.13	0.24	27.55	162.84
1500.00	2.06	179.86	1499.40	29.39	-30.22	8.55	0.58	31.41	164.21
1600.00	1.44	178.62	1599.35	31.87	-33.27	8.58	0.62	34.36	165.54
1700.00	1.04	169.38	1699.33	33.72	-35.42	8.78	0.45	36.49	166.08
1800.00	0.69	165.50	1799.32	35.09	-36.90	9.10	0.35	38.00	166.15
1900.00	0.53	164.23	1899.31	36.08	-37.92	9.37	0.16	39.07	166.12
2000.00	0.44	174.96	1999.31	36.85	-38.75	9.53	0.13	39.91	166.18
2100.00	0.37	186.70	2099.30	37.41	-39.46	9.53	0.11	40.59	166.42
2200.00	0.24	188.06	2199.30	37.79	-39.98	9.46	0.13	41.09	166.69
2300.00	0.24	205.43	2299.30	38.04	-40.38	9.34	0.07	41.45	166.97
2400.00	0.24	215.98	2399.30	38.20	-40.74	9.13	0.04	41.75	167.37
2500.00	0.26	248.69	2499.30	38.21	-40.99	8.80	0.14	41.92	167.89
2600.00	0.34	247.22	2599.30	38.08	-41.19	8.31	0.08	42.02	168.59
2700.00	0.26	260.96	2699.30	37.91	-41.34	7.81	0.11	42.07	169.30
2800.00	0.14	301.46	2799.30	37.69	-41.31	7.48	0.18	41.98	169.73
2900.00	0.09	346.85	2899.30	37.50	-41.17	7.36	0.10	41.82	169.86
3000.00	0.13	34.44	2999.30	37.39	-41.00	7.41	0.10	41.66	169.76
3100.00	0.16	43.52	3099.30	37.33	-40.81	7.57	0.04	41.50	169.49
3200.00	0.32	50.24	3199.29	37.29	-40.53	7.88	0.16	41.28	169.00
3300.00	0.57	50.74	3299.29	37.25	-40.03	8.48	0.25	40.92	168.04
3400.00	0.80	51.36	3399.28	37.20	-39.28	9.41	0.23	40.39	166.53
3500.00	1.23	54.48	3499.27	37.19	-38.22	10.83	0.43	39.73	164.18
3600.00	1.04	59.41	3599.25	37.30	-37.14	12.48	0.21	39.18	161.42
3700.00	0.62	91.62	3699.24	37.72	-36.69	13.81	0.61	39.20	159.38
3800.00	0.68	94.35	3799.23	38.44	-36.75	14.94	0.07	39.67	157.88
3900.00	1.11	75.02	3899.22	39.18	-36.54	16.47	0.52	40.08	155.75
4000.00	1.32	78.42	3999.20	40.02	-36.06	18.53	0.22	40.54	152.81
4100.00	1.26	74.08	4099.17	40.89	-35.53	20.72	0.11	41.13	149.76
4200.00	0.98	81.74	4199.15	41.68	-35.11	22.62	0.32	41.76	147.21
4300.00	0.89	81.10	4299.14	42.44	-34.86	24.23	0.09	42.46	145.20
4400.00	0.75	107.42	4399.13	43.33	-34.94	25.62	0.40	43.33	143.74
4500.00	0.98	151.97	4499.12	44.70	-35.89	26.65	0.69	44.70	143.40
4525.00	1.24	168.38	4524.11	45.16	-36.34	26.81	1.63	45.16	143.59

Accepted for record
NMOOD



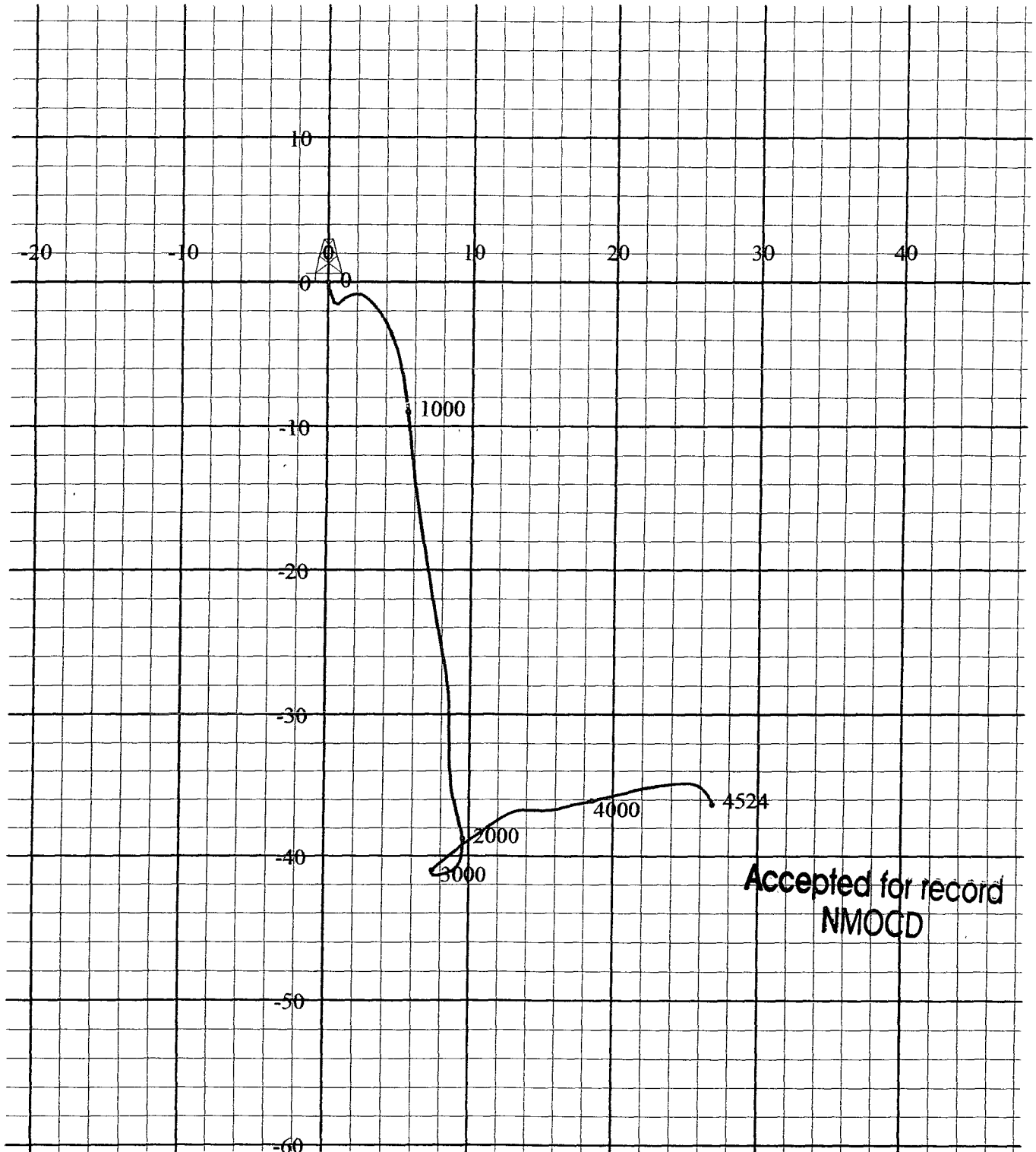
Scientific
Drilling

Field: Wildcat
Site: Eddy County, NM
Well: Dainwood Draw Fed 4 #1
Wellpath: VH - Job #32K0107001
Survey: 01/01/07



West(-)/East(+) [5ft/in]

South(-)/North(+) [5ft/in]



Accepted for record
NMOCD

DAINWOOD DRAW 4 FED #1

#	MD	INC	AZI	TVD	RCH	RCE	SECT	DLS	CL
#	feet	deg	deg	feet	feet	feet	feet	deg/100ft	feet
THE FOLLOWING IS SCIENTIFIC GYRO-DATA									
3400		0.80	51.36	3399.22	-30.28	9.41	-39.09	-999.25	0
THE FOLLOWING ARE PATHFINDER SURVEYS									
3427		0.97	44.81	3426.23	-39.00	9.72	-38.80	0.73	27.00
3459		1.58	40.76	3458.27	-38.47	10.20	-38.27	1.93	32.00
3491		3.96	12.90	3490.23	-37.06	10.73	-36.84	8.34	32.00
3523		7.56	8.51	3522.06	-33.90	11.29	-33.67	11.33	32.00
3555		12.40	6.22	3553.57	-28.40	11.97	-28.16	15.17	32.00
3586		15.56	5.70	3583.65	-20.95	12.75	-20.70	10.20	31.00
3618		17.50	5.61	3614.32	-11.89	13.65	-11.62	6.06	32.00
3649		18.55	5.87	3643.80	-2.35	14.85	-2.06	3.40	31.00
3680		19.96	5.52	3673.07	7.82	15.62	8.13	4.56	31.00
3712		21.54	4.82	3702.99	19.11	16.64	19.44	5.90	32.00
3743		23.13	4.20	3731.86	30.66	17.56	31.20	5.18	31.00
3775		24.62	3.50	3760.93	43.78	18.43	44.13	4.74	32.00
3807		26.03	1.74	3789.85	57.45	19.05	57.82	4.99	32.00
3839		27.44	1.21	3818.43	71.84	19.42	72.21	4.47	32.00
3870		28.75	0.69	3845.77	86.44	19.66	86.81	4.30	31.00
3902		30.16	0.34	3873.64	102.17	19.80	102.54	4.44	32.00
3934		31.63	359.02	3901.07	118.65	19.70	119.02	5.63	32.00
3966		33.68	358.31	3927.99	135.96	19.30	136.31	5.90	32.00
3997		35.70	359.19	3953.47	153.60	18.93	153.94	6.71	31.00
4029		37.20	358.93	3979.21	172.60	18.60	172.94	4.71	32.00
4061		40.01	359.81	4004.21	192.57	18.39	192.89	8.95	32.00
4093		42.21	0.42	4028.32	213.61	18.43	213.93	6.99	32.00
4125		44.41	1.13	4051.60	235.55	18.73	235.88	7.04	32.00
4157		46.78	1.30	4073.93	258.41	19.22	258.74	7.42	32.00
4159		48.42	2.27	4095.36	282.21	19.96	282.55	8.55	32.00
4220		51.79	2.36	4115.04	306.15	20.93	306.50	7.65	31.00
4252		54.34	2.09	4134.36	331.70	21.92	332.07	8.00	32.00
4284		56.63	2.09	4152.39	358.05	22.88	358.43	7.16	32.00
4316		59.44	2.44	4169.33	385.17	23.96	385.57	8.83	32.00
4348		61.91	2.71	4185.00	413.04	25.21	413.46	7.75	32.00
4380		64.81	2.97	4199.35	441.61	26.63	442.05	9.09	32.00
4412		67.36	3.15	4212.32	470.82	28.19	471.28	7.99	32.00
4444		69.82	3.32	4224.00	500.56	29.87	501.05	7.70	32.00
4475		73.16	3.23	4233.84	529.90	31.55	530.42	10.78	31.00
4507		76.06	2.71	4242.33	560.71	33.15	561.26	9.20	32.00
4539		79.58	2.36	4249.08	591.95	34.53	592.52	11.05	32.00
4571		82.04	2.36	4254.19	623.51	35.83	624.10	7.69	32.00
4603		84.59	2.36	4257.92	655.27	37.14	655.87	7.97	32.00
4635		86.61	1.83	4260.37	687.15	38.31	687.77	6.52	32.00
4667		88.46	1.48	4261.75	719.11	39.23	719.74	5.88	32.00
4699		90.57	2.18	4262.02	751.09	40.25	751.73	6.95	32.00
4731		91.98	2.80	4261.31	783.05	41.64	783.72	4.81	32.00
4763		92.42	2.53	4260.08	814.99	43.13	815.68	1.61	32.00
4795		91.36	1.65	4259.03	846.95	44.30	847.66	4.30	32.00
4827		90.13	1.13	4258.61	878.94	45.07	879.65	4.17	32.00

Accepted for record
NMOCD

4859	90.92	1.21	4258.32	910.93	45.73	911.65	2.48	32.00
4896	92.15	1.39	4257.33	947.90	46.56	948.64	3.36	37.00
4926	92.42	1.21	4256.13	977.87	47.24	978.61	1.08	30.00
4958	92.77	1.04	4254.68	1009.83	47.87	1010.58	1.22	32.00
4989	93.39	1.13	4253.07	1040.60	48.37	1041.35	2.02	31.00
5021	93.83	1.04	4251.06	1072.53	48.97	1073.29	1.40	32.00
5083	90.22	358.49	4248.87	1134.48	48.72	1135.22	7.13	62.00
5147	91.28	358.67	4248.03	1198.45	47.13	1199.15	1.68	64.00
5211	90.22	357.08	4247.19	1262.40	44.76	1263.03	2.99	64.00
5274	91.54	357.35	4246.22	1325.31	41.70	1325.88	2.14	63.00

Accepted for record
NMOCD