

Submit 1 Copy To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
October 13, 2009

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

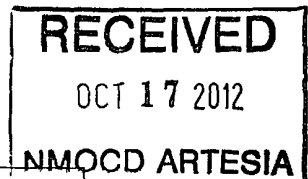
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30-015-40793
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator MURCHISON OIL & GAS, INC.		6. State Oil & Gas Lease No.
3. Address of Operator 1100 MIRA VISTA BLVD., PLANO, TX 75093		7. Lease Name or Unit Agreement Name OGDEN STATE
4. Well Location Unit Letter <u>A</u> : <u>1175</u> feet from the <u>N</u> line and <u>350</u> feet from the <u>E</u> line Section <u>2</u> Township <u>25S</u> Range <u>26E</u> NMPM <u>EDDY</u> County		8. Well Number <u>008H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc) 3362 GR		9. OGRID Number 15363
		10. Pool name or Wildcat BLACK RIVER; DELAWARE, SOUTH

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Murchison Oil & Gas, Inc. respectfully requests permission to revise the location of ST4 in order to remain within the standard spacing unit. Revised directional plan attached.



Spud Date:

Rig Release Date:

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

SIGNATURE Jack Rankin TITLE Vice President Operations DATE 10/17/2012

Type or print name Jack Rankin E-mail address: jrankin@jdmii.com PHONE: 972-931-0700

For State Use Only

APPROVED BY: P. Shepard TITLE Geologist DATE 10/17/2012

Conditions of Approval (if any):

Provide revised C102

Murchison Oil and Gas

Ogden North

Ogden #8

Ogden #8HML

Ogden 8HML ST 4

Plan: 121017 Ogden 8HML ST4

MOJO Standard Well Plan

17 October, 2012



MOJO
DIRECTIONAL CORPORATION

Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Ogden #8HML
Project:	Ogden North	TVD Reference:	well @ 3373 6usft (4)
Site:	Ogden #8	MD Reference:	well @ 3373 6usft (4)
Well:	Ogden #8HML	North Reference:	Grid
Wellbore:	Ogden#8HML ST 4	Survey Calculation Method:	Minimum Curvature
Design:	121017-Ogden#8HML-ST4	Database:	EDM 5000.1:Single User Db

Project:	Ogden North, Pinnate Appraisal Well		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Ogden #8		
Site Position:		Northing:	422,609.00 usft
From:	Map	Easting:	565,133.00 usft
Position Uncertainty:	1.0 usft	Slot Radius:	15 "
		Latitude:	32° 9' 42.505 N
		Longitude:	104° 15' 23.167 W
		Grid Convergence:	0.04 °

Well:	Ogden #8HML		
Well Position	+N/-S	0.0 usft	Northing: 423,109.00 usft
	+E/-W	0.0 usft	Easting: 565,133.00 usft
Position Uncertainty	0.0 usft		Latitude: 32° 9' 47.453 N
		Wellhead Elevation:	usft
		Longitude:	104° 15' 23.163 W
		Ground Level:	3,361.6 usft

Wellbore:	Ogden 8HML ST 4		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF200510	25/09/2012	7.73
			Dip Angle (°)
			60.01
			Field Strength (nT)
			48,419

Design:	121017-Ogden#8HML-ST4		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 4,200.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			199.57

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Well:	Ogden #8HML	North Reference:	Grid
Wellbore:	Ogden 8HML ST 4	Survey Calculation Method:	Minimum Curvature
Design:	121017 Ogden 8HML ST4	Database:	EDM 5000 1 Single User Db

Survey Tool Program		Date	17/10/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0 0	3,200.0	120925 Ogden #8HML (Ogden #8HML)	MWD	MWD - Standard	
3,200 0	4,200 0	120925 Ogden 8HML ST 3 (Ogden 8HML			
4,200 0	5,950.0	121017 Ogden 8HML ST4 (Ogden 8HML S	MWD	MWD - Standard	

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.00	0 0	-3,373.6	0 0	0.0	0 00	0.0	423,109.00	565,133.00
100.0	0.00	180.00	100.0	100.0	-3,273.6	0 0	0.0	0 00	0 0	423,109.00	565,133.00
115.0	0.00	180.00	115.0	115.0	-3,258.6	0.0	0 0	0 00	0.0	423,109.00	565,133.00
14" Conductor											
200.0	0.00	180.00	200.0	200.0	-3,173.6	0 0	0.0	0.00	0 0	423,109.00	565,133.00
300.0	0.00	180.00	300.0	300.0	-3,073.6	0 0	0.0	0 00	0 0	423,109.00	565,133.00
352.0	0.00	180.00	352.0	352.0	-3,021.6	0 0	0.0	0 00	0 0	423,109.00	565,133.00
9 5/8" Surface Casing											
400.0	0.00	180.00	400.0	400.0	-2,973.6	0 0	0.0	0 00	0 0	423,109.00	565,133.00
500.0	0.00	180.00	500.0	500.0	-2,873.6	0.0	0 0	0 00	0 0	423,109.00	565,133.00
600.0	0.00	180.00	600.0	600.0	-2,773.6	0.0	0 0	0 00	0 0	423,109.00	565,133.00
700.0	0.00	180.00	700.0	700.0	-2,673.6	0 0	0 0	0.00	0 0	423,109.00	565,133.00
800.0	0.00	180.00	800.0	800.0	-2,573.6	0.0	0 0	0 00	0.0	423,109.00	565,133.00
875.0	0.00	180.00	875.0	875.0	-2,498.6	0 0	0 0	0 00	0 0	423,109.00	565,133.00
900.0	0.75	180.00	900.0	900.0	-2,473.6	-0.2	0.0	3.00	0.2	423,108.84	565,133.00
975.0	3.00	180.00	975.0	975.0	-2,398.6	-2.6	0 0	3.00	2.5	423,106.38	565,133.00
1,000.0	3.75	180.00	999.9	999.9	-2,373.7	-4.1	0.0	3.00	3.9	423,104.91	565,133.00
1,100.0	6.75	180.00	1,099.5	1,099.5	-2,274.1	-13.2	0 0	3.00	12.5	423,095.76	565,133.00
1,200.0	9.75	180.00	1,198.4	1,198.4	-2,175.2	-27.6	0 0	3.00	26.0	423,081.41	565,133.00
1,300.0	12.75	180.00	1,296.5	1,296.5	-2,077.1	-47.1	0.0	3.00	44.4	423,061.91	565,133.00
1,400.0	15.75	180.00	1,393.4	1,393.4	-1,980.2	-71.7	0 0	3.00	67.6	423,037.29	565,133.00

Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Ogden #8HML
Project:	Ogden North	TVD Reference:	well @ 3373.6usft (4)
Site:	Ogden #8	MD Reference:	well @ 3373.6usft (4)
Well:	Ogden #8HML	North Reference:	Grid
Wellbore:	Ogden 8HML ST 4	Survey Calculation Method:	Minimum Curvature
Design:	121017 Ogden 8HML ST4	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
1,475.0	18.00	180.00	1,465.2	-1,908.4	-93.5	0.0	3.00	88.1	423,015.52	565,133.00
1,500.0	18.75	180.00	1,488.9	-1,884.7	-101.4	0.0	3.00	95.5	423,007.64	565,133.00
1,600.0	21.75	180.00	1,582.7	-1,790.9	-136.0	0.0	3.00	128.1	422,973.04	565,133.00
1,700.0	24.75	180.00	1,674.6	-1,699.0	-175.4	0.0	3.00	165.3	422,933.57	565,133.00
1,775.0	27.00	180.00	1,742.1	-1,631.5	-208.2	0.0	3.00	196.1	422,900.84	565,133.00
1,800.0	29.20	180.00	1,764.1	-1,609.5	-219.9	0.0	8.80	207.2	422,889.06	565,133.00
1,850.0	33.60	180.00	1,806.8	-1,566.8	-246.0	0.0	8.80	231.8	422,863.02	565,133.00
1,900.0	38.00	180.00	1,847.3	-1,526.3	-275.2	0.0	8.80	259.3	422,833.78	565,133.00
1,950.0	43.50	180.00	1,885.2	-1,488.4	-307.8	0.0	11.00	290.1	422,801.15	565,133.00
2,000.0	49.00	180.00	1,919.7	-1,453.9	-344.0	0.0	11.00	324.1	422,765.05	565,133.00
2,050.0	54.50	180.00	1,950.7	-1,422.9	-383.2	0.0	11.00	361.1	422,725.80	565,133.00
2,100.0	60.00	180.00	1,977.7	-1,395.9	-425.2	0.0	11.00	400.7	422,683.76	565,133.00
2,150.0	65.50	180.00	2,000.6	-1,373.0	-469.7	0.0	11.00	442.5	422,639.33	565,133.00
2,168.5	67.54	180.00	2,008.0	-1,365.6	-486.7	0.0	11.00	458.6	422,622.32	565,133.00
7" Production Casing										
2,200.0	71.00	180.00	2,019.1	-1,354.5	-516.1	0.0	11.00	486.3	422,592.91	565,133.00
2,250.0	76.50	180.00	2,033.1	-1,340.5	-564.1	0.0	11.00	531.5	422,544.92	565,133.00
2,300.0	82.00	180.00	2,042.4	-1,331.2	-613.2	0.0	11.00	577.8	422,495.82	565,133.00
2,350.0	86.42	180.00	2,047.5	-1,326.1	-662.9	0.0	8.84	624.6	422,446.09	565,133.00
2,395.0	90.40	180.00	2,048.7	-1,324.9	-707.9	0.0	8.84	667.0	422,401.11	565,133.00
2,400.0	90.40	180.00	2,048.7	-1,324.9	-712.9	0.0	0.00	671.7	422,396.11	565,133.00
2,500.0	90.40	180.00	2,048.0	-1,325.6	-812.9	0.0	0.00	765.9	422,296.11	565,133.00
2,600.0	90.40	180.00	2,047.3	-1,326.3	-912.9	0.0	0.00	860.2	422,196.12	565,133.00
2,700.0	90.40	180.00	2,046.6	-1,327.0	-1,012.9	0.0	0.00	954.4	422,096.12	565,133.00
2,800.0	90.40	180.00	2,045.9	-1,327.7	-1,112.9	0.0	0.00	1,048.6	421,996.12	565,133.00
2,900.0	90.40	180.00	2,045.2	-1,328.4	-1,212.9	0.0	0.00	1,142.8	421,896.12	565,133.00
3,000.0	90.40	180.00	2,044.5	-1,329.1	-1,312.9	0.0	0.00	1,237.1	421,796.13	565,133.00

Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Ogden #8HML
Project:	Ogden North	TVD Reference:	well @ 3373.6usft (4)
Site:	Ogden #8	MD Reference:	well @ 3373.6usft (4)
Well:	Ogden #8HML	North Reference:	Grid
Wellbore:	Ogden 8HML ST 4	Survey Calculation Method:	Minimum Curvature
Design:	121017 Ogden 8HML ST4	Database:	EDM 5000 1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)
3,100.0	90.40	180.00	2,043.8	-1,329.8	-1,412.9	0.0	0.00	1,331.3	421,696.13	565,133.00
3,200.0	90.40	180.00	2,043.1	-1,330.5	-1,512.9	0.0	0.00	1,425.5	421,596.13	565,133.00
3,300.0	90.40	185.00	2,042.4	-1,331.2	-1,612.7	-4.4	5.00	1,521.1	421,496.26	565,128.64
3,400.0	90.39	190.00	2,041.7	-1,331.9	-1,711.9	-17.4	5.00	1,618.8	421,397.15	565,115.59
3,500.0	90.38	195.00	2,041.1	-1,332.5	-1,809.4	-39.0	5.00	1,718.0	421,299.55	565,093.95
3,600.0	90.37	200.00	2,040.4	-1,333.2	-1,904.8	-69.1	5.00	1,817.9	421,204.21	565,063.89
3,700.0	90.35	205.00	2,039.8	-1,333.8	-1,997.1	-107.4	5.00	1,917.8	421,111.86	565,025.64
3,800.0	90.35	205.00	2,039.2	-1,334.4	-2,087.8	-149.6	0.00	2,017.3	421,021.23	564,983.38
3,900.0	90.34	205.00	2,038.6	-1,335.0	-2,178.4	-191.9	0.00	2,116.9	420,930.60	564,941.12
4,000.0	90.34	205.00	2,038.0	-1,335.6	-2,269.0	-234.1	0.00	2,216.4	420,839.97	564,898.86
4,100.0	90.33	205.00	2,037.4	-1,336.2	-2,359.7	-276.4	0.00	2,316.0	420,749.34	564,856.59
4,200.0	90.33	205.00	2,036.8	-1,336.8	-2,450.3	-318.7	0.00	2,415.5	420,658.71	564,814.33
4,300.0	90.32	209.33	2,036.2	-1,337.4	-2,539.2	-364.3	4.33	2,514.6	420,569.77	564,768.69
4,400.0	90.31	213.67	2,035.7	-1,337.9	-2,624.5	-416.5	4.33	2,612.4	420,484.52	564,716.45
4,500.0	90.30	218.00	2,035.1	-1,338.5	-2,705.5	-475.1	4.33	2,708.4	420,403.47	564,657.92
4,600.0	90.30	218.00	2,034.6	-1,339.0	-2,784.3	-536.6	0.00	2,803.3	420,324.67	564,596.36
4,700.0	90.30	218.00	2,034.1	-1,339.5	-2,863.1	-598.2	0.00	2,898.1	420,245.87	564,534.79
4,800.0	90.30	218.00	2,033.6	-1,340.0	-2,941.9	-659.8	0.00	2,993.0	420,167.07	564,473.23
4,900.0	90.30	218.00	2,033.0	-1,340.6	-3,020.7	-721.3	0.00	3,087.9	420,088.27	564,411.66
5,000.0	90.30	218.00	2,032.5	-1,341.1	-3,099.5	-782.9	0.00	3,182.7	420,009.47	564,350.10
5,100.0	90.30	218.00	2,032.0	-1,341.6	-3,178.3	-844.5	0.00	3,277.6	419,930.67	564,288.53
5,200.0	90.30	218.00	2,031.5	-1,342.1	-3,257.1	-906.0	0.00	3,372.5	419,851.87	564,226.97
5,300.0	90.30	218.00	2,031.0	-1,342.6	-3,335.9	-967.6	0.00	3,467.3	419,773.07	564,165.40
5,400.0	90.30	218.00	2,030.4	-1,343.2	-3,414.7	-1,029.2	0.00	3,562.2	419,694.27	564,103.83
5,500.0	90.30	218.00	2,029.9	-1,343.7	-3,493.5	-1,090.7	0.00	3,657.1	419,615.47	564,042.27
5,600.0	90.30	218.00	2,029.4	-1,344.2	-3,572.3	-1,152.3	0.00	3,751.9	419,536.67	563,980.70
5,700.0	90.30	218.00	2,028.9	-1,344.7	-3,651.1	-1,213.9	0.00	3,846.8	419,457.87	563,919.14

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Design:	121017 Ogden 8HML ST4	Database:	EDM 5000 1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	V. Sec (usft)	Northing (usft)	Easting (usft)	
5,800.0	90 30	218.00	2,028.3	-1,345.3	-3,729.9	-1,275.4	0.00	3,941.7	419,379.07	563,857.57	
5,900.0	90 30	218.00	2,027.8	-1,345.8	-3,808.7	-1,337.0	0.00	4,036.5	419,300.27	563,796.01	
5,950.0	90 30	218.00	2,027.5	-1,346.1	-3,848.1	-1,367.8	0.00	4,084.0	419,260.87	563,765.23	

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")		
352.0	352.0	9 5/8" Surface Casing	9-5/8	12-1/4		
115.0	115.0	14" Conductor	14	15		
2,168.5	2,008.0	7" Production Casing	7	7		

Checked By: _____ Approved By: _____ Date: _____