

Results of Directional Survey

API number:	30-025-41122		
OGRID:		Operator:	MURCHISON OIL & GAS INC
		Property:	JACKSON UNIT # 11H

surface	ULSTR:	B	16	T 24S	R 33E
				200 FNL	1980 FEL

BH Loc	ULSTR:	O	16	T 24S	R 33E
15717	MD	11176.3	TVD	335 FSL	2213 FEL
				4945 FNL	

Top Perf/OH	ULSTR:	B	16	T 24S	R 33E
11320	MD	11162.6	TVD	561 FNL	2220 FEL

Bot Perf/OH	ULSTR:	O	16	T 24S	R 33E
15640	MD	11177.0	TVD	412 FSL	2214 FEL
				4868 FNL	

	MD	N/S	E/W	VD
	11295	-337.60	-236.50	11154.7
TOP PERFS/OH	11320	-360.99	-239.97	11162.60
	11326	-366.60	-240.80	11164.50
	15560	-4587.90	-235.00	11177.30
BOT PERFS/OH	15640	-4667.90	-234.15	11176.96
	15654	-4681.90	-234.00	11176.90

NEXT TO LAST	15654	-4681.90	-234.00	11176.90
LAST READING	15717	-4744.90	-233.10	11176.30
TD	15717	-4744.90	-233.10	11176.30

Surface Location	200	FN	1980	FE
Projected BHL	4945	FN	2213	FE
Location of				
Top Perfs/OH	561	FN	2220	FE
Bottom Perfs/OH	4868	FN	2214	FE

SUMMARY of Subsurface Locations

Surface Location	B-16-24S-33E	200	FN	1980	FE	Vert. Depth
Top Perfs/OH	B-16-24S-33E	561	FN	2220	FE	11162.60
Bottom Perfs/OH	O-16-24S-33E	4868	FN	2214	FE	11176.96
Projected TD	O-16-24S-33E	4945	FN	2213	FE	11176.30

DEC 11 2013

 MURCHISON OIL & GAS, INC.

HOBBS OCD

SEP 17 2013

RECEIVED

Murchison Oil and Gas

Jackson Unit Section 16

Jackson Unit 11H


Design: Jackson Unit 11H

MOJO Standard Survey

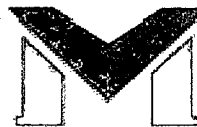
12 August, 2013

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

data.  (Signature)

Notarized this date 12th of August,
2013.  Notary

Signature County of Collin State of Texas



MOJO
DIRECTIONAL CORPORATION



Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Jackson Unit 11H
Project:	Jackson Unit Section 16	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Jackson Unit 11H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Jackson Unit 11H	North Reference:	Grid
Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
Design:	Jackson Unit 11H	Database:	EDM 5000.1 Single User Db

Project	Jackson Unit Section 16		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Jackson Unit 11H		
Site Position:		Northing:	446,177.41 usft
From:	Lat/Long	Easting:	775,805.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 13' 27.638 N
		Longitude:	103° 34' 30.413 W
		Grid Convergence:	0.40 °

Well	Jackson Unit 11H					
Well Position	+N/-S	0.0 usft	Northing:	446,177.41 usft	Latitude:	32° 13' 27.638 N
	+E/-W	0.0 usft	Easting:	775,805.10 usft	Longitude:	103° 34' 30.413 W
Position Uncertainty		1.0 usft	Wellhead Elevation:	usft	Ground Level:	3,614.0 usft

Wellbore	Jackson Unit 11H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	13/05/2013	7.35	60.14	48,424

Design	Jackson Unit 11H				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	180.00	

Survey Program	Date 11/08/2013				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	15,717.0	Jackson Unit 11H (Jackson Unit 11H)	MWD	MWD - Standard	

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Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
Design:	Jackson Unit 11H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
0.0	0.00	0.00	0.0	-3,636.0	0.0	0.0	0.0	0.00	446,177.41	775,805.10	
100.0	0.24	271.45	100.0	-3,536.0	0.0	-0.2	0.0	0.24	446,177.42	775,804.89	
200.0	0.35	295.46	200.0	-3,436.0	0.1	-0.7	-0.1	0.16	446,177.56	775,804.40	
300.0	0.49	283.57	300.0	-3,336.0	0.4	-1.4	-0.4	0.16	446,177.79	775,803.71	
400.0	0.71	272.95	400.0	-3,236.0	0.5	-2.4	-0.5	0.25	446,177.92	775,802.68	
500.0	0.97	271.30	500.0	-3,136.0	0.6	-3.9	-0.6	0.26	446,177.97	775,801.21	
600.0	1.01	272.52	600.0	-3,036.0	0.6	-5.6	-0.6	0.05	446,178.03	775,799.49	
700.0	0.96	275.83	699.9	-2,936.1	0.7	-7.3	-0.7	0.08	446,178.15	775,797.77	
800.0	0.89	276.83	799.9	-2,836.1	0.9	-8.9	-0.9	0.07	446,178.33	775,796.17	
900.0	0.80	276.74	899.9	-2,736.1	1.1	-10.4	-1.1	0.09	446,178.50	775,794.70	
1,000.0	0.84	269.24	999.9	-2,636.1	1.2	-11.8	-1.2	0.11	446,178.58	775,793.28	
1,100.0	0.93	269.19	1,099.9	-2,536.1	1.1	-13.4	-1.1	0.09	446,178.56	775,791.73	
1,200.0	0.89	270.95	1,199.9	-2,436.1	1.1	-15.0	-1.1	0.05	446,178.56	775,790.15	
1,300.0	0.85	273.46	1,299.9	-2,336.1	1.2	-16.5	-1.2	0.06	446,178.61	775,788.63	
1,400.0	0.94	282.58	1,399.9	-2,236.1	1.4	-18.0	-1.4	0.17	446,178.84	775,787.09	
1,500.0	1.25	301.11	1,499.8	-2,136.2	2.2	-19.7	-2.2	0.47	446,179.58	775,785.35	
1,600.0	1.38	305.43	1,599.8	-2,036.2	3.4	-21.7	-3.4	0.16	446,180.84	775,783.44	
1,700.0	1.59	302.65	1,699.8	-1,936.2	4.9	-23.8	-4.9	0.22	446,182.29	775,781.29	
1,800.0	1.64	302.35	1,799.7	-1,836.3	6.4	-26.2	-6.4	0.05	446,183.80	775,778.91	
1,900.0	1.62	303.72	1,899.7	-1,736.3	7.9	-28.6	-7.9	0.04	446,185.35	775,776.53	
2,000.0	1.77	302.41	1,999.7	-1,636.3	9.6	-31.1	-9.6	0.15	446,186.97	775,774.05	
2,100.0	1.89	307.35	2,099.6	-1,536.4	11.4	-33.7	-11.4	0.20	446,188.79	775,771.43	
2,200.0	2.18	309.30	2,199.6	-1,436.4	13.6	-36.4	-13.6	0.30	446,191.00	775,768.65	
2,300.0	2.34	310.95	2,299.5	-1,336.5	16.1	-39.5	-16.1	0.17	446,193.54	775,765.64	
2,400.0	2.63	314.02	2,399.4	-1,236.6	19.1	-42.7	-19.1	0.32	446,196.47	775,762.45	
2,500.0	2.70	313.37	2,499.3	-1,136.7	22.3	-46.0	-22.3	0.08	446,199.68	775,759.08	
2,600.0	2.82	316.36	2,599.2	-1,036.8	25.7	-49.4	-25.7	0.19	446,203.08	775,755.67	

Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Jackson Unit 11H
Project:	Jackson Unit Section 16	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
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Well:	Jackson Unit 11H	North Reference:	Grid
Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
Design:	Jackson Unit 11H	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,700.0	2.80	318.38	2,699.0	-937.0	29.3	-52.7	-29.3	0.10	446,206.69	775,752.35	
2,800.0	3.31	322.02	2,798.9	-837.1	33.4	-56.1	-33.4	0.55	446,210.79	775,748.96	
2,900.0	3.64	324.48	2,898.7	-737.3	38.2	-59.8	-38.2	0.36	446,215.65	775,745.34	
3,000.0	3.86	323.20	2,998.5	-637.5	43.5	-63.6	-43.5	0.24	446,220.93	775,741.47	
3,100.0	4.44	327.56	3,098.2	-537.8	49.5	-67.7	-49.5	0.66	446,226.89	775,737.38	
3,200.0	4.72	329.73	3,197.9	-438.1	56.3	-71.9	-56.3	0.33	446,233.71	775,733.23	
3,300.0	4.63	331.54	3,297.6	-338.4	63.4	-75.9	-63.4	0.17	446,240.81	775,729.23	
3,400.0	4.64	330.35	3,397.3	-238.7	70.5	-79.8	-70.5	0.10	446,247.87	775,725.31	
3,500.0	4.62	333.86	3,496.9	-139.1	77.6	-83.6	-77.6	0.28	446,255.00	775,721.54	
3,600.0	4.66	336.22	3,596.6	-39.4	84.9	-87.0	-84.9	0.20	446,262.34	775,718.12	
3,700.0	4.86	338.30	3,696.3	60.3	92.6	-90.2	-92.6	0.26	446,269.99	775,714.92	
3,800.0	5.03	340.03	3,795.9	159.9	100.6	-93.2	-100.6	0.23	446,278.05	775,711.86	
3,900.0	4.87	338.67	3,895.5	259.5	108.7	-96.3	-108.7	0.20	446,286.12	775,708.81	
4,000.0	4.60	334.93	3,995.2	359.2	116.3	-99.5	-116.3	0.41	446,293.71	775,705.57	
4,100.0	4.44	329.40	4,094.9	458.9	123.3	-103.2	-123.3	0.46	446,300.67	775,701.90	
4,200.0	1.65	282.46	4,194.7	558.7	126.9	-106.6	-126.9	3.53	446,304.31	775,698.52	
4,300.0	1.62	222.80	4,294.7	658.7	126.2	-108.9	-126.2	1.63	446,303.59	775,696.16	
4,400.0	2.16	178.30	4,394.6	758.6	123.3	-109.8	-123.3	1.52	446,300.67	775,695.25	
4,500.0	4.12	148.04	4,494.5	858.5	118.3	-107.9	-118.3	2.50	446,295.73	775,697.21	
4,600.0	3.39	152.19	4,594.3	958.3	112.7	-104.6	-112.7	0.78	446,290.07	775,700.49	
4,700.0	2.14	141.09	4,694.2	1,058.2	108.6	-102.1	-108.6	1.35	446,286.00	775,703.04	
4,800.0	2.13	120.11	4,794.1	1,158.1	106.2	-99.3	-106.2	0.78	446,283.62	775,705.83	
4,900.0	2.38	109.53	4,894.0	1,258.0	104.6	-95.7	-104.6	0.48	446,281.99	775,709.39	
5,000.0	1.44	104.91	4,994.0	1,358.0	103.6	-92.5	-103.6	0.95	446,280.97	775,712.56	
5,076.0	0.73	322.93	5,069.9	1,433.9	103.7	-91.9	-103.7	2.72	446,281.11	775,713.19	
5,222.0	1.50	311.80	5,215.9	1,579.9	105.7	-93.9	-105.7	0.55	446,283.13	775,711.21	
5,316.0	1.90	315.20	5,309.9	1,673.9	107.6	-95.9	-107.6	0.44	446,285.06	775,709.19	

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Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
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5,411.0	0.70	326.50	5,404.8	1,768.8	109.2	-97.3	-109.2	1.29	446,286.66	775,707.76		
5,506.0	0.30	324.10	5,499.8	1,863.8	109.9	-97.8	-109.9	0.42	446,287.34	775,707.30		
5,602.0	0.40	317.60	5,595.8	1,959.8	110.4	-98.2	-110.4	0.11	446,287.79	775,706.92		
5,697.0	0.50	297.70	5,690.8	2,054.8	110.8	-98.8	-110.8	0.19	446,288.23	775,706.33		
5,792.0	0.60	322.40	5,785.8	2,149.8	111.4	-99.4	-111.4	0.27	446,288.82	775,705.66		
5,887.0	0.50	324.90	5,880.8	2,244.8	112.1	-100.0	-112.1	0.11	446,289.55	775,705.12		
5,983.0	0.50	301.10	5,976.8	2,340.8	112.7	-100.6	-112.7	0.21	446,290.11	775,704.52		
6,172.0	0.90	311.70	6,165.8	2,529.8	114.1	-102.4	-114.1	0.22	446,291.52	775,702.70		
6,363.0	0.70	304.30	6,356.8	2,720.8	115.8	-104.5	-115.8	0.12	446,293.18	775,700.62		
6,552.0	0.40	183.40	6,545.8	2,909.8	115.8	-105.5	-115.8	0.51	446,293.17	775,699.63		
6,742.0	3.30	183.60	6,735.7	3,099.7	109.6	-105.9	-109.6	1.53	446,287.05	775,699.25		
6,932.0	3.30	184.00	6,925.4	3,289.4	98.7	-106.6	-98.7	0.01	446,276.14	775,698.52		
7,121.0	3.50	188.10	7,114.0	3,478.0	87.6	-107.8	-87.6	0.17	446,265.00	775,697.33		
7,310.0	3.30	187.30	7,302.7	3,666.7	76.5	-109.3	-76.5	0.11	446,253.89	775,695.82		
7,500.0	3.30	184.10	7,492.4	3,856.4	65.6	-110.4	-65.6	0.10	446,243.01	775,694.74		
7,690.0	3.30	184.10	7,682.1	4,046.1	54.7	-111.1	-54.7	0.00	446,232.11	775,693.96		
7,879.0	3.10	194.20	7,870.8	4,234.8	44.3	-112.8	-44.3	0.32	446,221.73	775,692.31		
8,069.0	3.10	197.30	8,060.5	4,424.5	34.4	-115.6	-34.4	0.09	446,211.84	775,689.53		
8,259.0	2.30	201.70	8,250.3	4,614.3	26.0	-118.5	-26.0	0.43	446,203.39	775,686.59		
8,449.0	2.50	196.60	8,440.1	4,804.1	18.5	-121.1	-18.5	0.15	446,195.88	775,684.00		
8,639.0	1.70	211.00	8,630.0	4,994.0	12.1	-123.7	-12.1	0.50	446,189.49	775,681.36		
8,923.0	0.80	202.60	8,913.9	5,277.9	6.6	-126.7	-6.6	0.32	446,184.05	775,678.43		
9,019.0	1.30	217.80	9,009.9	5,373.9	5.2	-127.6	-5.2	0.59	446,182.57	775,677.50		
9,208.0	1.30	208.80	9,198.8	5,562.8	1.6	-129.9	-1.6	0.11	446,179.00	775,675.16		
9,396.0	1.80	188.50	9,386.8	5,750.8	-3.2	-131.4	3.2	0.39	446,174.21	775,673.69		
9,586.0	0.50	205.20	9,576.7	5,940.7	-6.9	-132.2	6.9	0.70	446,170.51	775,672.90		
9,779.0	1.70	193.40	9,769.7	6,133.7	-10.5	-133.2	10.5	0.63	446,166.96	775,671.88		

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9,969.0	3.40	189.50	9,959.5	6,323.5	-18.8	-134.8	18.8	0.90	446,158.66	775,670.29		
10,158.0	4.00	191.50	10,148.1	6,512.1	-30.7	-137.0	30.7	0.32	446,146.68	775,668.05		
10,349.0	3.10	180.00	10,338.7	6,702.7	-42.4	-138.4	42.4	0.60	446,134.98	775,666.73		
10,537.0	1.40	210.60	10,526.6	6,890.6	-49.5	-139.5	49.5	1.08	446,127.92	775,665.56		
10,673.0	1.20	271.80	10,662.6	7,026.6	-50.9	-141.8	50.9	0.98	446,126.54	775,663.29		
10,852.0	11.70	203.70	10,840.3	7,204.3	-67.5	-151.0	67.5	6.32	446,109.92	775,654.09		
10,883.0	16.90	205.10	10,870.3	7,234.3	-74.5	-154.2	74.5	16.81	446,102.96	775,650.91		
10,915.0	21.40	205.10	10,900.5	7,264.5	-84.0	-158.6	84.0	14.06	446,093.46	775,646.46		
10,947.0	26.50	207.20	10,929.8	7,293.8	-95.6	-164.4	95.6	16.16	446,081.81	775,640.72		
10,978.0	31.60	207.20	10,956.8	7,320.8	-109.0	-171.3	109.0	16.45	446,068.43	775,633.84		
11,010.0	33.80	203.20	10,983.8	7,347.8	-124.6	-178.6	124.6	9.63	446,052.79	775,626.50		
11,041.0	36.60	198.60	11,009.1	7,373.1	-141.3	-185.0	141.3	12.43	446,036.10	775,620.15		
11,073.0	40.70	198.00	11,034.1	7,398.1	-160.3	-191.2	160.3	12.87	446,017.13	775,613.88		
11,104.0	45.50	196.40	11,056.7	7,420.7	-180.5	-197.5	180.5	15.88	445,996.90	775,607.63		
11,137.0	50.30	197.90	11,078.8	7,442.8	-203.9	-204.7	203.9	14.93	445,973.51	775,600.41		
11,168.0	54.80	197.60	11,097.7	7,461.7	-227.3	-212.2	227.3	14.54	445,950.08	775,592.91		
11,200.0	59.30	195.70	11,115.1	7,479.1	-253.1	-219.9	253.1	14.92	445,924.36	775,585.23		
11,232.0	63.50	191.40	11,130.4	7,494.4	-280.4	-226.4	280.4	17.64	445,897.06	775,578.67		
11,264.0	67.90	190.00	11,143.6	7,507.6	-309.0	-231.8	309.0	14.32	445,868.41	775,573.26		
11,295.0	70.20	188.70	11,154.7	7,518.7	-337.6	-236.5	337.6	8.39	445,839.84	775,568.56		
11,326.0	72.60	188.10	11,164.5	7,528.5	-366.6	-240.8	366.6	7.96	445,810.78	775,564.27		
11,359.0	72.20	189.10	11,174.5	7,538.5	-397.7	-245.5	397.7	3.13	445,779.68	775,559.57		
11,390.0	72.00	187.80	11,184.1	7,548.1	-426.9	-249.9	426.9	4.04	445,750.50	775,555.23		
11,421.0	74.90	184.90	11,192.9	7,556.9	-456.4	-253.2	456.4	12.96	445,720.98	775,551.95		
11,453.0	78.10	183.40	11,200.4	7,564.4	-487.5	-255.4	487.5	10.99	445,689.95	775,549.70		
11,484.0	82.00	181.90	11,205.7	7,569.7	-518.0	-256.8	518.0	13.45	445,659.46	775,548.29		
11,516.0	87.90	181.10	11,208.5	7,572.5	-549.8	-257.6	549.8	18.60	445,627.61	775,547.46		

Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Jackson Unit 11H
Project:	Jackson Unit Section 16	TVD Reference:	WELL @ 3636.0usft (Original Well Elev)
Site:	Jackson Unit 11H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Jackson Unit 11H	North Reference:	Grid
Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
Design:	Jackson Unit 11H	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
11,548.0	90.00	183.60	11,209.1	7,573.1	-581.8	-259.0	581.8	10.20	445,595.64	775,546.15
11,579.0	91.90	184.80	11,208.6	7,572.6	-612.7	-261.2	612.7	7.25	445,564.73	775,543.88
11,675.0	91.70	183.60	11,205.6	7,569.6	-708.4	-268.3	708.4	1.27	445,469.04	775,536.85
11,769.0	91.80	184.50	11,202.7	7,566.7	-802.1	-274.9	802.1	0.96	445,375.32	775,530.22
11,865.0	90.20	183.60	11,201.0	7,565.0	-897.9	-281.7	897.9	1.91	445,279.59	775,523.44
11,960.0	90.50	182.50	11,200.5	7,564.5	-992.7	-286.7	992.7	1.20	445,184.73	775,518.38
12,055.0	90.40	181.60	11,199.7	7,563.7	-1,087.7	-290.1	1,087.7	0.95	445,089.79	775,514.99
12,149.0	90.80	182.00	11,198.7	7,562.7	-1,181.6	-293.1	1,181.6	0.60	444,995.85	775,512.03
12,243.0	90.00	183.60	11,198.1	7,562.1	-1,275.5	-297.7	1,275.5	1.90	444,901.97	775,507.44
12,338.0	90.60	183.50	11,197.6	7,561.6	-1,370.3	-303.5	1,370.3	0.64	444,807.16	775,501.56
12,433.0	91.00	183.80	11,196.2	7,560.2	-1,465.1	-309.6	1,465.1	0.53	444,712.36	775,495.51
12,527.0	89.30	182.50	11,196.0	7,560.0	-1,558.9	-314.8	1,558.9	2.28	444,618.51	775,490.35
12,622.0	89.40	181.10	11,197.1	7,561.1	-1,653.9	-317.7	1,653.9	1.48	444,523.57	775,487.37
12,716.0	89.10	178.50	11,198.3	7,562.3	-1,747.9	-317.4	1,747.9	2.78	444,429.59	775,487.69
12,811.0	89.10	179.90	11,199.8	7,563.8	-1,842.9	-316.1	1,842.9	1.47	444,334.61	775,489.02
12,906.0	89.50	180.80	11,201.0	7,565.0	-1,937.8	-316.7	1,937.8	1.04	444,239.63	775,488.44
13,001.0	89.70	180.30	11,201.6	7,565.6	-2,032.8	-317.6	2,032.8	0.57	444,144.64	775,487.53
13,095.0	91.30	180.00	11,200.8	7,564.8	-2,126.8	-317.8	2,126.8	1.73	444,050.65	775,487.28
13,190.0	89.20	177.50	11,200.4	7,564.4	-2,221.8	-315.8	2,221.8	3.44	443,955.69	775,489.35
13,288.0	88.80	178.30	11,202.1	7,566.1	-2,319.7	-312.2	2,319.7	0.91	443,857.77	775,492.94
13,382.0	88.80	175.40	11,204.1	7,568.1	-2,413.5	-307.0	2,413.5	3.08	443,763.95	775,498.11
13,478.0	89.10	172.80	11,205.8	7,569.8	-2,509.0	-297.1	2,509.0	2.73	443,668.48	775,507.97
13,572.0	90.00	172.10	11,206.6	7,570.6	-2,602.2	-284.8	2,602.2	1.21	443,575.30	775,520.32
13,667.0	91.30	173.60	11,205.5	7,569.5	-2,696.4	-273.0	2,696.4	2.09	443,481.06	775,532.15
13,761.0	92.20	175.80	11,202.6	7,566.6	-2,790.0	-264.3	2,790.0	2.53	443,387.51	775,540.82
13,856.0	92.50	176.80	11,198.7	7,562.7	-2,884.7	-258.2	2,884.7	1.10	443,292.79	775,546.95
13,950.0	91.10	177.70	11,195.8	7,559.8	-2,978.5	-253.7	2,978.5	1.77	443,198.95	775,551.46

Company:	Murchison Oil and Gas	Local Co-ordinate Reference:	Well Jackson Unit 11H
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Site:	Jackson Unit 11H	MD Reference:	WELL @ 3636.0usft (Original Well Elev)
Well:	Jackson Unit 11H	North Reference:	Grid
Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
Design:	Jackson Unit 11H	Database:	EDM 5000.1 Single User Db

Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
14,044.0	91.00	177.90	11,194.0	7,558.0	-3,072.5	-250.0	3,072.5	0.24	443,105.04	775,555.06		
14,139.0	92.00	178.10	11,191.6	7,555.6	-3,167.4	-246.7	3,167.4	1.07	443,010.13	775,558.38		
14,233.0	92.70	178.90	11,187.7	7,551.7	-3,261.3	-244.3	3,261.3	1.13	442,916.25	775,560.84		
14,328.0	90.80	179.30	11,184.8	7,548.8	-3,356.2	-242.8	3,356.2	2.04	442,821.31	775,562.33		
14,423.0	91.10	179.20	11,183.2	7,547.2	-3,451.2	-241.5	3,451.2	0.33	442,726.34	775,563.57		
14,518.0	90.10	179.70	11,182.2	7,546.2	-3,546.2	-240.6	3,546.2	1.18	442,631.35	775,564.48		
14,613.0	90.90	179.50	11,181.4	7,545.4	-3,641.2	-240.0	3,641.2	0.87	442,536.36	775,565.15		
14,707.0	90.90	180.00	11,179.9	7,543.9	-3,735.1	-239.5	3,735.1	0.53	442,442.38	775,565.56		
14,803.0	91.70	179.80	11,177.7	7,541.7	-3,831.1	-239.4	3,831.1	0.86	442,346.40	775,565.72		
14,897.0	90.60	179.10	11,175.9	7,539.9	-3,925.1	-238.5	3,925.1	1.39	442,252.43	775,566.63		
14,992.0	91.10	178.90	11,174.5	7,538.5	-4,020.1	-236.8	4,020.1	0.57	442,157.46	775,568.28		
15,087.0	91.50	179.60	11,172.3	7,536.3	-4,115.0	-235.6	4,115.0	0.85	442,062.50	775,569.53		
15,182.0	90.20	180.00	11,170.9	7,534.9	-4,210.0	-235.2	4,210.0	1.43	441,967.51	775,569.86		
15,245.0	88.90	180.30	11,171.4	7,535.4	-4,273.0	-235.4	4,273.0	2.12	441,904.52	775,569.69		
15,277.0	87.90	180.30	11,172.3	7,536.3	-4,305.0	-235.6	4,305.0	3.12	441,872.53	775,569.53		
15,308.0	88.00	180.20	11,173.4	7,537.4	-4,336.0	-235.7	4,336.0	0.46	441,841.55	775,569.39		
15,340.0	88.30	180.00	11,174.4	7,538.4	-4,368.0	-235.8	4,368.0	1.13	441,809.57	775,569.33		
15,372.0	88.70	179.90	11,175.3	7,539.3	-4,400.0	-235.7	4,400.0	1.29	441,777.58	775,569.36		
15,403.0	88.90	180.20	11,175.9	7,539.9	-4,430.9	-235.8	4,430.9	1.16	441,746.59	775,569.34		
15,434.0	89.20	179.70	11,176.4	7,540.4	-4,461.9	-235.7	4,461.9	1.88	441,715.59	775,569.36		
15,465.0	89.40	179.70	11,176.8	7,540.8	-4,492.9	-235.6	4,492.9	0.65	441,684.60	775,569.53		
15,560.0	90.00	179.60	11,177.3	7,541.3	-4,587.9	-235.0	4,587.9	0.64	441,589.60	775,570.11		
15,654.0	90.50	179.20	11,176.9	7,540.9	-4,681.9	-234.0	4,681.9	0.68	441,495.61	775,571.09		
15,717.0	90.50	179.20	11,176.3	7,540.3	-4,744.9	-233.1	4,744.9	0.00	441,432.62	775,571.97		

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Well:	Jackson Unit 11H	North Reference:	Grid
Wellbore:	Jackson Unit 11H	Survey Calculation Method:	Minimum Curvature
Design:	Jackson Unit 11H	Database:	EDM 5000.1 Single User Db

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,284.1	1,284.0	13 3/8"	13-3/8	17-1/2	
5,212.1	5,206.0	9 5/8"	9-5/8	12-1/4	
10,715.3	10,704.9	7"	7	7-1/2	

Formations				
Measured Depth (usft)	Vertical Depth (usft)	Name	Dip (°)	
6,180.2	6,174.0	Cherry Canyon	0.00	
7,560.7	7,553.0	Brushy Camyon	0.00	
10,894.2	10,881.0	2nd Bone Spring Sand(Geoprog)	0.00	
10,159.9	10,150.0	1st Bone Spring Sand	0.00	
9,111.1	9,102.0	Bone Spring	0.00	
1,276.1	1,276.0	Rustler(Geoprog)	0.00	
5,207.1	5,201.0	Delaware(Geoprog)	0.00	
9,251.2	9,242.0	Avalon shale	0.00	

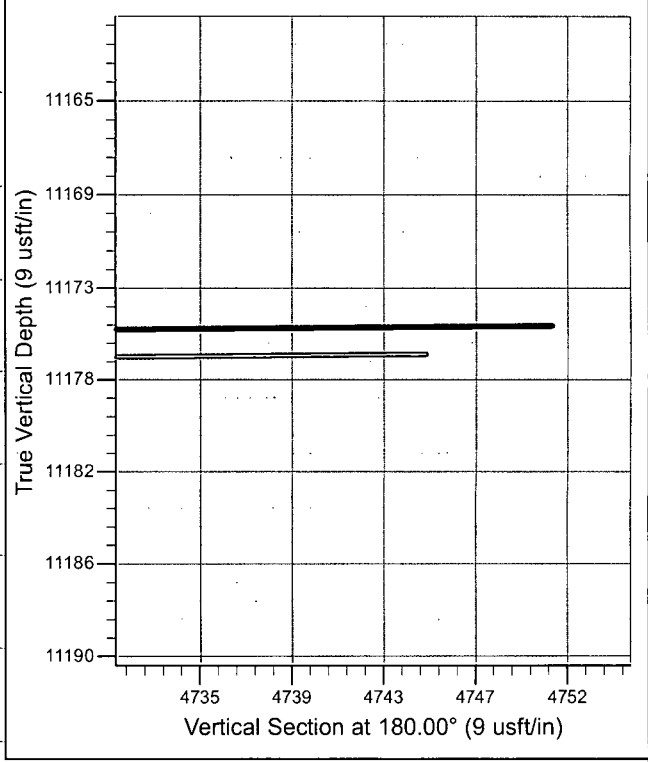
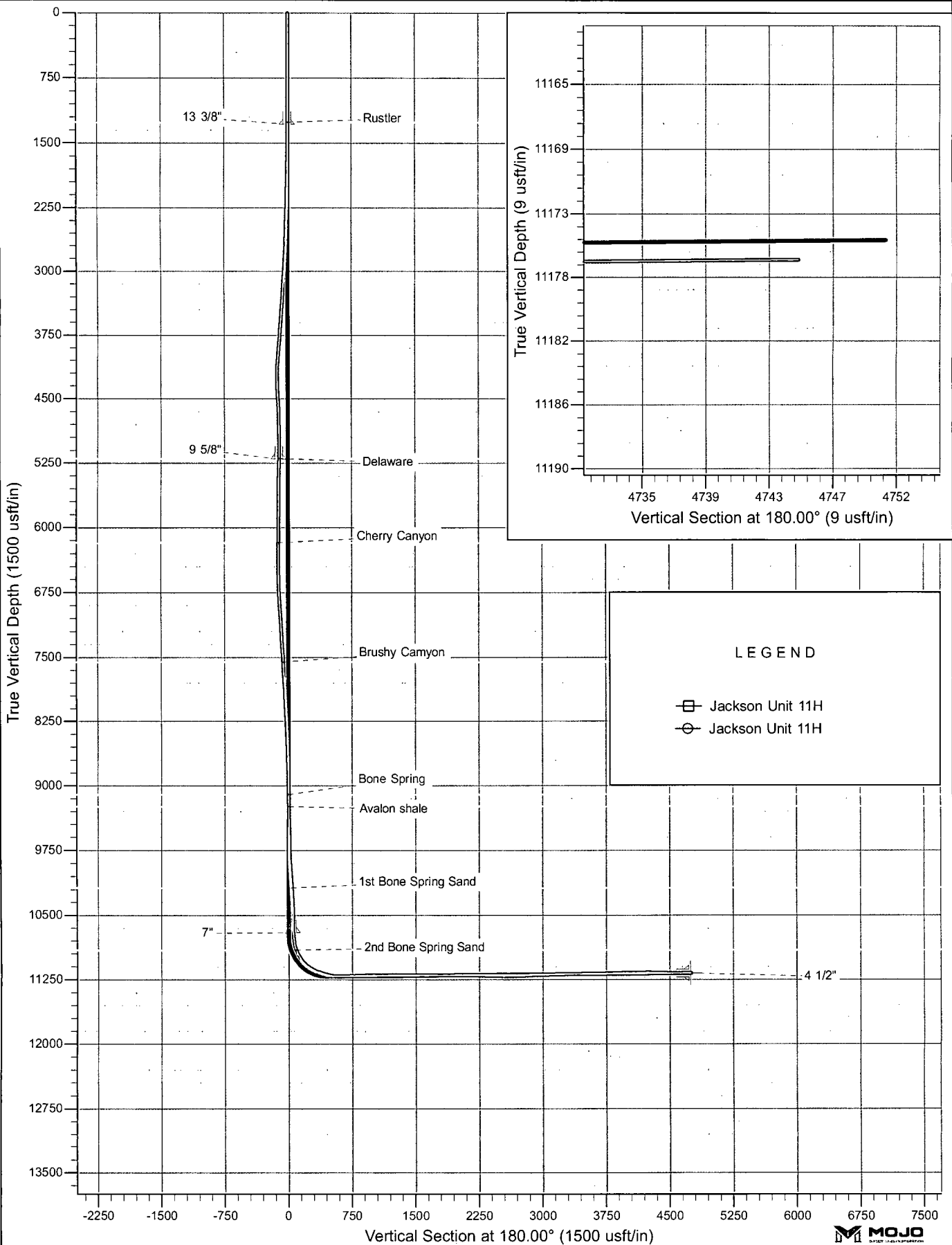
Checked By: _____	Approved By: _____	Date: _____
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Project: Jackson Unit Section 16
 Site: Jackson Unit 11H
 Well: Jackson Unit 11H
 Wellbore: Jackson Unit 11H
 Design: Jackson Unit 11H

MURCHISON OIL & GAS, INC.




Azimuths to Grid North
 True North: -0.40°
 Magnetic North: 6.95°
 Magnetic Field
 Strength: 48423.7snT
 Dip Angle: 60.14°
 Date: 13/05/2013
 Model: IGRF2010



LEGEND

- Jackson Unit 11H
- Jackson Unit 11H

Project: Jackson Unit Section 16
 Site: Jackson Unit 11H
 Well: Jackson Unit 11H
 Wellbore: Jackson Unit 11H
 Design: Jackson Unit 11H

 MURCHISON OIL & GAS, INC.



Azimuths to Grid North
 True North: -0.40°
 Magnetic North: 6.95°
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