

Results of Directional Survey

API number:	30-025-39892		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	VACA 14 FEDERAL # 4H

surface	ULSTR:	A	14	T	25S	R	33E
				330	FNL	660	FEL

BH Loc	ULSTR:	P	14	T	25S	R	33E
13800	MD	9470.0	TVD	358	FSL	405	FEL
				4922	FNL		

Top Perf/OH	ULSTR:	A	14	T	25S	R	33E
9718	MD	9443.4	TVD	849	FNL	622	FEL

Bot Perf/OH	ULSTR:	P	14	T	25S	R	33E
13750	MD	9470.7	TVD	408	FSL	409	FEL
				4872	FNL		

	MD	N/S	E/W	VD
	9707	-507.70	37.90	9442.3
TOP PERFS/OH	9718	-518.63	38.45	9443.40
	9739	-539.50	39.50	9445.50
	13658	-4450.40	242.80	9471.20
BOT PERFS/OH	13750	-4542.00	250.81	9470.71
	13751	-4543.00	250.90	9470.70

NEXT TO LAST	13658	-4450.40	242.80	9471.20
LAST READING	13751	-4543.00	250.90	9470.70
TD	13800	-4591.79	255.17	9470.44

Surface Location	330	FN	660	FE
Projected BHL	4922	FN	405	FE
Location of				
Top Perfs/OH	849	FN	622	FE
Bottom Perfs/OH	4872	FN	409	FE

SUMMARY of Subsurface Locations

Surface Location	A-14-25S-33E	330	FN	660	FE	Vert. Depth
Top Perfs/OH	A-14-25S-33E	849	FN	622	FE	9443.40
Bottom Perfs/OH	P-14-25S-33E	4872	FN	409	FE	9470.71
Projected TD	P-14-25S-33E	4922	FN	405	FE	9470.44



EOG Resources, Inc.

Lea County

Vaca "14" Fed

#4H

OH

Design: OH

PathfinderX & Y Report

18 June, 2012

SUR: A-14-25s-33e, 330/N & 660/E
BHL: P-14-25s-33e, 4922/N & 405/E
API # 30-025-39892

PATHFINDER®
A Schlumberger Company

Company: EOG Resources, Inc.	Local/Co-ordinate Reference: Well #4H KB = 25 @ 3384.8usft (Cactus 139) KB = 25 @ 3384.8usft (Cactus 139) Grid Minimum Curvature EDM 5000.1 Single User Db
Project: Lea County Vaca "14" Fed OH OH	TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:

Project: Lea County	System Datum: Mean Sea Level
Map System: US State Plane 1927 (Exact solution)	
Geo Datum: NAD 1927 (NADCON CONUS)	
Map Zone: New Mexico East 3001	

Site: Vaca "14" Fed	Northings: 414,051.100 usft	Latitude: 32° 8' 9.097 N
Site Position:	Easting: 745,404.300 usft	Longitude: 103° 32' 25.918 W
From: Map	Slot Radius: 13-3/16 "	Grid Convergence: 0.42 °
Position Uncertainty: 0.0 usft		

Well: #4H	Northings: 414,392.500 usft	Latitude: 32° 8' 12.379 N
Well Position	Easting: 746,721.700 usft	Longitude: 103° 32' 10.569 W
Position Uncertainty 0.0 usft	Wellhead Elevation: usft	Ground Level: 3,359.8 usft

Wellbore: OH	Model Name IGRF200510	Sample Date 5/25/2010	Declination (°) 7.68	Dip Angle (°) 60.16	Field Strength (nT) 48,706
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Design: OH	Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0
Audit Notes:	Depth From (TVD) (usft) 0.0	+N/-S (usft) 0.0	+E/-W (usft) 0.0
Vertical Section:	Direction (°) 176.71		

Company:	EOG Resources, Inc	Local/Coordinate Reference:	Well #4H
Project:	Lea County	TVD Reference:	KB = 25 @ 3384' 8usft (Cactus 139)
Site:	Vaca "14" Fed	MD Reference:	KB = 25 @ 3384' 8usft (Cactus 139)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey/Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey Program	Date	6/18/2012
From (usft)	To (usft)	Survey (Wellbore)
100.0	1,160.0	Gyro #1 (OH)
1,331.0	13,800.0	MWD #1 (OH)
		Tool Name
		SRG-GYRO-MS
		MWD
		Description
		surface readout gyro multishot
		MWD - Standard

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	V. Sec (usft)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	0.0	0.00	0.00	0.00	-3,384.8	0.0	0.0	0.0	0.00	414,392.50	746,721.70
	100.0	0.47	202.34	100.0	-3,284.8	-0.4	-0.2	0.4	0.47	414,392.12	746,721.54
	200.0	0.51	216.53	200.0	-3,184.8	-1.1	-0.6	1.1	0.13	414,391.38	746,721.12
	300.0	0.56	220.32	300.0	-3,084.8	-1.8	-1.2	1.8	0.06	414,390.65	746,720.54
	400.0	0.60	223.97	400.0	-2,984.8	-2.6	-1.8	2.5	0.05	414,389.90	746,719.86
	500.0	0.62	226.81	500.0	-2,884.8	-3.3	-2.6	3.2	0.04	414,389.16	746,719.10
	600.0	0.66	227.00	600.0	-2,784.8	-4.1	-3.4	3.9	0.04	414,388.39	746,718.29
	700.0	0.69	250.44	700.0	-2,684.8	-4.7	-4.4	4.4	0.28	414,387.80	746,717.30
	800.0	0.54	232.62	800.0	-2,584.8	-5.2	-5.3	4.9	0.24	414,387.31	746,716.36
	900.0	0.30	287.36	900.0	-2,484.8	-5.4	-6.0	5.0	0.44	414,387.10	746,715.73
	1,000.0	0.32	261.13	1,000.0	-2,384.8	-5.4	-6.5	5.0	0.14	414,387.14	746,715.21
	1,100.0	0.26	290.52	1,100.0	-2,284.8	-5.3	-7.0	4.9	0.16	414,387.18	746,714.72
	1,160.0	0.25	292.26	1,160.0	-2,224.8	-5.2	-7.2	4.8	0.02	414,387.27	746,714.47
	1,331.0	0.09	283.08	1,331.0	-2,053.8	-5.1	-7.7	4.6	0.09	414,387.44	746,714.00
	1,516.0	0.26	349.79	1,516.0	-1,868.8	-4.6	-7.9	4.1	0.13	414,387.89	746,713.78
	1,706.0	0.44	317.01	1,706.0	-1,678.8	-3.7	-8.5	3.2	0.14	414,388.85	746,713.21
	1,895.0	0.70	311.65	1,894.9	-1,489.9	-2.4	-9.9	1.8	0.14	414,390.15	746,711.85
	2,085.0	0.53	299.61	2,084.9	-1,299.9	-1.1	-11.5	0.5	0.11	414,391.35	746,710.22
	2,275.0	0.70	321.14	2,274.9	-1,109.9	0.2	-13.0	-0.9	0.15	414,392.69	746,708.72
	2,464.0	0.35	355.86	2,463.9	-920.9	1.7	-13.7	-2.5	0.24	414,394.16	746,707.96
	2,654.0	1.06	35.32	2,653.9	-730.9	3.7	-12.8	-4.4	0.43	414,396.18	746,708.93

COMPASS 5000.1 Build 56

Company:	EOG Resources, Inc.	Local/Co-ordinate Reference:	Well #4H
Project:	Lea County	TVD Reference:	KB = 25 @ 3384.8usft (Cactus 139)
Site:	Vaca "14" Fed	MD Reference:	KB = 25 @ 3384.8usft (Cactus 139)
Well:	#4H	North Reference:	Grnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	D. Leg (°/100usft)	Northing (usft)	Easting (usft)
	7,847.0	0.79	221.47	7,846.3	4,461.5	-2.7	9.8	3.3	0.29	414,389.78	746,731.51
	8,035.0	0.97	216.90	8,034.3	4,649.5	-5.0	8.0	5.4	0.10	414,387.54	746,729.70
	8,222.0	0.79	222.53	8,221.3	4,836.5	-7.2	6.2	7.5	0.11	414,385.32	746,727.88
	8,410.0	0.79	191.94	8,409.3	5,024.5	-9.4	5.0	9.7	0.22	414,383.10	746,726.73
	8,598.0	0.44	217.52	8,597.3	5,212.5	-11.2	4.3	11.5	0.23	414,381.26	746,726.03
	8,787.0	0.79	196.42	8,786.3	5,401.5	-13.1	3.5	13.2	0.22	414,379.43	746,725.22
	8,921.0	0.97	201.35	8,920.2	5,535.4	-15.0	2.8	15.1	0.15	414,377.49	746,724.54
	8,953.0	3.08	176.91	8,952.2	5,567.4	-16.1	2.8	16.3	6.98	414,376.38	746,724.49
KOP - 8953.0 'MD, 8952.2 TVD, -16.1 'N, 2.8 'E											
	8,985.0	7.56	172.34	8,984.1	5,599.3	-19.1	3.1	19.2	14.05	414,373.43	746,724.82
	9,016.0	12.31	172.52	9,014.6	5,629.8	-24.4	3.8	24.5	15.32	414,368.13	746,725.52
	9,047.0	16.62	174.54	9,044.6	5,659.8	-32.1	4.7	32.3	14.00	414,360.44	746,726.37
	9,078.0	20.40	175.42	9,074.0	5,689.2	-41.9	5.5	42.1	12.23	414,350.64	746,727.22
	9,109.0	23.13	175.24	9,102.8	5,718.0	-53.3	6.5	53.6	8.81	414,339.18	746,728.16
	9,141.0	26.03	175.24	9,131.9	5,747.1	-66.6	7.6	66.9	9.06	414,325.92	746,729.27
	9,172.0	29.28	175.33	9,159.3	5,774.5	-80.9	8.7	81.3	10.48	414,311.58	746,730.45
	9,203.0	32.01	175.33	9,186.0	5,801.2	-96.7	10.0	97.1	8.81	414,295.83	746,731.73
	9,234.0	35.17	175.68	9,211.8	5,827.0	-113.8	11.4	114.2	10.21	414,278.74	746,733.08
	9,266.0	37.81	177.09	9,237.6	5,852.8	-132.8	12.6	133.3	8.66	414,259.75	746,734.27
	9,297.0	40.36	177.35	9,261.6	5,876.8	-152.3	13.5	152.8	8.24	414,240.23	746,735.22
	9,328.0	43.44	177.35	9,284.7	5,899.9	-172.9	14.5	173.5	9.94	414,219.55	746,736.17
	9,360.0	47.48	176.39	9,307.1	5,922.3	-195.7	15.7	196.3	12.80	414,196.78	746,737.42
	9,391.0	51.00	175.33	9,327.4	5,942.6	-219.1	17.4	219.8	11.65	414,173.37	746,739.12
	9,422.0	53.99	175.07	9,346.2	5,961.4	-243.6	19.5	244.4	9.67	414,148.86	746,741.18
	9,453.0	57.33	174.63	9,363.7	5,978.9	-269.1	21.8	269.9	10.84	414,123.37	746,743.48
	9,485.0	61.29	174.98	9,380.0	5,995.2	-296.5	24.3	297.4	12.41	414,095.97	746,745.97
	9,517.0	65.07	175.51	9,394.5	6,009.7	-325.0	26.6	326.0	11.90	414,067.52	746,748.34

Company: EOG Resources, Inc.				Local/Co-ordinate Reference:				Well #4H			
Project: Lea County				TVD Reference:				KB =25 @ 3384.8usft (Cactus 139)			
Site: Vaca "14" Fed				MD Reference:				KB =25 @ 3384.8usft (Cactus 139)			
Well: #4H,				North Reference:				Grid			
Wellbore: OH				Survey Calculation Method:				Minimum Curvature			
Design: OH				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)	D Leg (°/100usft)	Northing (usft)	Easting (usft)	
9,549.0	69.64	175.59	9,406.8	6,022.0	-354.4	28.9	355.5	14.28	414,038.08	746,750.63	
9,580.0	72.72	175.68	9,416.8	6,032.0	-383.7	31.2	384.8	9.94	414,008.83	746,752.86	
9,611.0	75.62	176.30	9,425.3	6,040.5	-413.4	33.2	414.6	9.55	413,979.08	746,754.94	
9,643.0	78.88	177.18	9,432.3	6,047.5	-444.6	35.0	445.9	10.53	413,947.93	746,756.72	
9,674.0	81.07	177.70	9,437.7	6,052.9	-475.1	36.4	476.4	7.26	413,917.43	746,758.08	
9,707.0	82.83	176.91	9,442.3	6,057.5	-507.7	37.9	509.0	5.84	413,884.79	746,759.62	
9,739.0	85.74	177.53	9,445.5	6,060.7	-539.5	39.5	540.9	9.30	413,852.99	746,761.16	
9,769.0	88.81	177.62	9,446.9	6,062.1	-569.4	40.7	570.8	10.24	413,823.06	746,762.43	
9,801.0	90.22	177.62	9,447.2	6,062.4	-601.4	42.1	602.8	4.41	413,791.09	746,763.76	
LP - 9801.0 'MD, 9447.2 'TVD, -601.4 'N, 42.1 'E											
9,894.0	90.57	178.14	9,446.6	6,061.8	-694.3	45.5	695.8	0.67	413,698.15	746,767.20	
9,988.0	89.60	179.11	9,446.4	6,061.6	-788.3	47.8	789.8	1.46	413,604.18	746,769.45	
10,082.0	91.80	179.64	9,445.3	6,060.5	-882.3	48.8	883.6	2.41	413,510.20	746,770.48	
10,177.0	90.48	178.93	9,443.4	6,058.6	-977.3	50.0	978.5	1.58	413,415.23	746,771.66	
10,270.0	90.22	177.35	9,442.8	6,058.0	-1,070.2	53.0	1,071.5	1.72	413,322.29	746,774.68	
10,365.0	88.64	175.42	9,443.8	6,059.0	-1,165.0	59.0	1,166.5	2.63	413,227.49	746,780.67	
10,458.0	88.11	174.71	9,446.4	6,061.6	-1,257.6	67.0	1,259.4	0.95	413,134.87	746,788.67	
10,553.0	88.20	174.36	9,449.5	6,064.7	-1,352.1	76.0	1,354.3	0.38	413,040.35	746,797.71	
10,647.0	90.31	174.10	9,450.7	6,065.9	-1,445.7	85.5	1,448.2	2.26	412,946.84	746,807.16	
10,742.0	92.51	177.70	9,448.4	6,063.6	-1,540.4	92.3	1,543.1	4.44	412,852.13	746,813.95	
10,835.0	94.44	178.23	9,442.7	6,057.9	-1,633.1	95.5	1,635.9	2.15	412,759.37	746,817.25	
10,930.0	95.23	178.23	9,434.7	6,049.9	-1,727.7	98.5	1,730.6	0.83	412,664.75	746,820.17	
11,025.0	89.69	178.06	9,430.6	6,045.8	-1,822.6	101.5	1,825.4	5.83	412,569.93	746,823.24	
11,119.0	90.31	177.62	9,430.6	6,045.8	-1,916.5	105.1	1,919.4	0.81	412,475.99	746,826.78	
11,212.0	88.99	176.91	9,431.2	6,046.4	-2,009.4	109.5	2,012.4	1.61	412,383.10	746,831.22	
11,308.0	89.78	177.26	9,432.2	6,047.4	-2,105.3	114.4	2,108.4	0.90	412,287.23	746,836.10	
11,401.0	89.43	177.70	9,432.9	6,048.1	-2,198.2	118.5	2,201.4	0.60	412,194.33	746,840.19	

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Site:	Vaca "14" Fed	MD Reference:	KB = 25 @ 3384.8usft (Cactus 139)
Well:	#4H	North Reference:	Gnd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	11,495.0	89.43	177.26	9,433.8	6,049.0	-2,292.1	122.6	2,295.3	0.47	412,100.42	746,844.33
	11,589.0	88.46	176.30	9,435.5	6,050.7	-2,385.9	127.9	2,389.3	1.45	412,006.59	746,849.60
	11,685.0	88.55	175.86	9,438.0	6,053.2	-2,481.7	134.5	2,485.3	0.47	411,910.85	746,856.17
	11,779.0	87.23	175.59	9,441.5	6,056.7	-2,575.3	141.5	2,579.2	1.43	411,817.17	746,863.17
	11,873.0	90.75	179.02	9,443.2	6,058.4	-2,669.2	145.9	2,673.2	5.23	411,723.32	746,867.58
	11,967.0	89.96	178.58	9,442.6	6,057.8	-2,763.2	147.9	2,767.1	0.96	411,629.34	746,869.55
	12,061.0	88.55	178.85	9,443.8	6,059.0	-2,857.1	150.0	2,861.0	1.53	411,535.38	746,871.66
	12,155.0	87.58	176.74	9,447.0	6,062.2	-2,951.0	153.6	2,954.9	2.47	411,441.51	746,875.27
	12,248.0	89.60	177.88	9,449.3	6,064.5	-3,043.9	157.9	3,047.9	2.49	411,348.65	746,879.64
	12,342.0	88.64	177.26	9,450.7	6,065.9	-3,137.8	161.9	3,141.9	1.22	411,254.74	746,883.62
	12,437.0	88.02	174.89	9,453.5	6,068.7	-3,232.5	168.4	3,236.8	2.58	411,160.01	746,890.12
	12,531.0	91.19	177.09	9,454.1	6,069.3	-3,326.2	175.0	3,330.8	4.10	411,066.26	746,896.69
	12,625.0	89.60	176.30	9,453.5	6,068.7	-3,420.1	180.4	3,424.8	1.89	410,972.42	746,902.11
	12,720.0	89.43	176.12	9,454.3	6,069.5	-3,514.9	186.7	3,519.8	0.26	410,877.64	746,908.39
	12,814.0	89.87	177.97	9,454.9	6,070.1	-3,608.7	191.5	3,613.8	2.02	410,783.77	746,913.24
	12,907.0	88.72	179.43	9,456.0	6,071.2	-3,701.7	193.6	3,706.7	2.00	410,690.80	746,915.35
	13,002.0	89.96	180.44	9,457.1	6,072.3	-3,796.7	193.8	3,801.5	1.68	410,595.81	746,915.45
	13,095.0	88.90	176.76	9,458.0	6,073.2	-3,889.6	196.0	3,894.5	4.12	410,502.86	746,917.72
	13,189.0	89.69	175.18	9,459.2	6,074.4	-3,983.4	202.6	3,988.5	1.88	410,409.10	746,924.33
	13,282.0	89.87	174.82	9,459.5	6,074.7	-4,076.0	210.7	4,081.4	0.43	410,316.46	746,932.44
	13,375.0	89.87	174.88	9,459.7	6,074.9	-4,168.7	219.1	4,174.4	0.06	410,223.83	746,940.78
	13,469.0	86.09	175.57	9,463.1	6,076.3	-4,262.3	226.9	4,268.3	4.09	410,130.24	746,948.60
	13,563.0	87.49	175.26	9,468.3	6,083.5	-4,355.8	234.4	4,362.1	1.53	410,036.69	746,956.11
	13,658.0	88.99	174.64	9,471.2	6,086.4	-4,450.4	242.8	4,457.0	1.71	409,942.10	746,964.46
	13,751.0	91.63	175.38	9,470.7	6,085.9	-4,543.0	250.9	4,549.9	2.95	409,849.47	746,972.55
	13,800.0	91.63	175.38	9,469.3	6,084.5	-4,591.9	254.8	4,598.9	0.00	409,800.65	746,976.50

BHL - 13800.0 MD, 9469.3 TVD, -4591.9 N, 254.8 E

Company:	EOG Resources, Inc.	Well #4H	KB = 25 @ 3384.8usft (Cactus 139)
Project:	Lea County	Grid	KB = 25 @ 3384.8usft (Cactus 139)
Site:	Vaca "14" Fed	Minimum Curvature	EDM 5000.1, Single User Db
Well:	#4H		
Wellbore:	OH		
Design:	OH		

Design Annotations			
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)
8,953.0	8,952.2	-16.1	2.8
9,801.0	9,447.2	-601.4	42.1
13,800.0	9,469.3	-4,591.9	254.8
			Comment
			2.8 KOP - 8953.0 MD, 8952.2 TVD, -16.1' N, 2.8' E
			42.1 LP - 9801.0 MD, 9447.2 TVD, -601.4' N, 42.1' E
			254.8 BHL - 13800.0 MD, 9469.3 TVD, -4591.9' N, 254.8' E

Checked By: _____	Approved By: _____	Date: _____
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Vaca 14 #4H

HOBBS OCD

AUG 17 2012

RECEIVED

Stage Number	Cluster Top	Cluster Bottom
1	13,750	13,751
1	13,692	13,693
1	13,634	13,635
1	13,576	13,577
2	13,516	13,517
2	13,460	13,461
2	13,402	13,403
2	13,350	13,351
3	13,286	13,287
3	13,228	13,229
3	13,170	13,171
3	13,112	13,113
4	13,054	13,055
4	12,996	12,997
4	12,938	12,939
4	12,888	12,889
5	12,824	12,825
5	12,764	12,765
5	12,706	12,707
5	12,646	12,647
6	12,590	12,591
6	12,532	12,533
6	12,474	12,475
6	12,416	12,417
7	12,358	12,359
7	12,300	12,301
7	12,242	12,243
7	12,184	12,185
8	12,126	12,127
8	12,068	12,069
8	12,010	12,011
8	11,952	11,953
9	11,894	11,895
9	11,836	11,837
9	11,778	11,779
9	11,720	11,721
10	11,662	11,663
10	11,604	11,605
10	11,546	11,547
10	11,488	11,489
11	11430	11431

SUR: A-14-25s-33e, 330/N & 660/E
 BHL: P-14-25s-33e, 4922/N & 405/E
 API # 30-025-39892

11	11,370	11,371
11	11,314	11,315
11	11,256	11,257
12	11,194	11,195
12	11,140	11,141
12	11,082	11,083
12	11,030	11,031
13	10,966	10,967
13	10,908	10,909
13	10,850	10,851
13	10,792	10,793
14	10,734	10,735
14	10,676	10,677
14	10,618	10,619
14	10,560	10,561
15	10,502	10,503
15	10,444	10,445
15	10,386	10,387
15	10,328	10,329
16	10,270	10,271
16	10,212	10,213
16	10,154	10,155
16	10,093	10,094
17	10,038	10,039
17	9,996	9,997
17	9,922	9,923
17	9,864	9,865
18	9,806	9,807
18	9,776	9,777
18	9,748	9,749
18	9,718	9,719

Stage Number	Total Shots	Acid type descr	Acid Volume	Acid Flush Volume	BBt Load	Frac fld type descr	Fracture Volume	Fracture Flush Volume	Total BBLs	Total Load	100 Mesh	40/70	Total Numbers All Prop
1	32	7 1/2 % HCL	80	565	645	SUCKWATER	7,999	439	8,438	9,083	193,700	94,820	288,520
2	32	7 1/2 % HCL	40	357	397	SUCKWATER	6,649	428	7,077	7,474	144,020	144,420	288,440
3	32	7 1/2 % HCL	40	302	342	SUCKWATER	6,814	426	7,240	7,582	143,360	143,920	288,280
4	32	7 1/2 % HCL	40	311	351	SUCKWATER	6,582	419	7,001	7,352	143,500	191,680	335,180
5	32	7 1/2 % HCL	40	294	334	SUCKWATER	6,306	413	6,719	7,053	144,420	192,780	337,200
6	32	7 1/2 % HCL	40	630	670	SUCKWATER	6,471	406	6,877	7,547	143,360	191,020	334,380
7	32	7 1/2 % HCL	40	286	326	SUCKWATER	6,412	407	6,819	7,145	142,700	191,260	333,960
8	32	7 1/2 % HCL	40	290	330	SUCKWATER	6,388	397	6,785	7,115	144,960	191,100	336,060
9	32	7 1/2 % HCL	40	285	325	SUCKWATER	6,442	392	6,834	7,159	145,340	190,320	335,660
10	32	7 1/2 % HCL	40	282	322	SUCKWATER	6,377	382	6,759	7,081	139,940	188,400	328,340
11	32	7 1/2 % HCL	40	270	310	SUCKWATER	7,409	383	7,792	8,102	142,200	193,580	335,780
12	32	7 1/2 % HCL	40	336	376	SUCKWATER	6,338	376	6,714	7,090	143,600	191,860	335,460
13	32	7 1/2 % HCL	40	272	312	SUCKWATER	6,271	371	6,642	6,954	143,080	192,360	335,440
14	32	7 1/2 % HCL	40	288	328	SUCKWATER	6,318	366	6,684	7,012	144,100	191,100	335,200
15	32	7 1/2 % HCL	40	262	302	SUCKWATER	6,161	360	6,521	6,823	141,030	190,600	331,630
16	32	7 1/2 % HCL	40	238	278	SUCKWATER	6,359	352	6,711	6,989	145,360	189,980	335,340
17	32	7 1/2 % HCL	40	237	277	SUCKWATER	6,342	364	6,706	6,983	144,240	191,920	336,160
18	32	7 1/2 % HCL	40	233	273	SUCKWATER	6,331	639	6,970	7,243	143,860	191,140	335,000
	Total Shots		Total Acid	Total Flush	Total Acid BBLs		Total Frac Vol	Total Frac Flush	Total Frac BBLs	Total Load	Total 100 Mesh	Total 40/70	Total Prop
	576	7 1/2 % HCL	760	5,738	6,498	SUCKWATER	117,969	7,320	125,289	131,787	2,633,770	3,252,260	5,886,030