



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1085438
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1085438

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 28, 2012

Jeff Dolan
Source Energy Midcon LLC
1805 SHEA CENTER DR., STE 100
HIGHLANDS RANCH, CO 80129

Re: ACO1
API 15-191-22640-01-00
Homer 7-11-7-14 H
NW/4 Sec.07-33S-02E
Sumner County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jeff Dolan

Customer Source Energy	Lease No.	Date 3-17-13	
Lease 11000000	Well # 7-11-7-14-H		
Field Order # 5715	Station Pratt	Casing 7"	Depth 1096
Type Job CNW-7" L.S.		Formation 11096	County Sumner
		Legal Description 7-335-2C	State KS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager	Treater
Service Units	27223 27463 19732 / 21010	
Driver Names	D. L. Webb, M. C. Skelly	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00 PM	3100				On location - Safety Meeting
					Ran 705 31.5" Casing
					Source Energy to Run Own Plant
					Casing 70' Pull
					Break circulation with 100
9:28	400		5	6	H2O
9:30	400		12	6	Super Slow
9:31	400		5	6	H2O
9:32	350		15 1/2	6	Mix 6550 - Acid @ 15 1/2 / Gal
9:35	350		38	6	Mix 15050 - AA2 @ 15 1/2 / Gal
					Shut Down
					Clear Pump & H.L.
					Makeup Plus
9:50	0		0	7	Start H2O Displacement
10:06	500		120	6	1500 Pressure
10:12	700		150	5	Slow Rate
10:15	900		160	4	Plus Down - Did not Land
10:20	900		160.5	1	Pumped 1/2 bbl over to land not
					Sub Conn Make
					7.11.7.14.H
10:45			1/10		Released Pressure Plant under 2.0 at H.L.
					Circulation thru sub



Well: Homer 7-11-7-14 H
 Location: Sec. 7 - T33S - R2E
 Rig: Duke Drilling Rig #20

Declination Corr.: 4.1 deg
 Grid Corr.: _____
 Total Corr.: _____

Calculation Method Minimum Curvature
 Proposed Azimuth 180 From True North
 Depth Reference KB
 Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Surface Casing Set @ 331' KB													
Last Survey Tie In to Surface													
	2896	0.86	359		2896	-8.91	8.55 N	1.38 E					
MWD	2928	0.71	335		2928	0							
MWD	2928	0.71	335	0	2928	-8.55	8.55 N	1.38 E	8.66	9.17	#DIV/0!	#DIV/0!	#DIV/0!
MWD	2959	2.66	225	31	2959	-8.22	8.22 N	0.79 E	8.26	5.46	9.58	6.29	-352.58
MWD	2991	5.63	220	32	2991	-6.50	6.50 N	0.75 W	6.54	353.38	9.35	9.28	-17.19
MWD	3026	8.93	219	35	3026	-3.08	3.08 N	3.58 W	4.72	310.70	9.43	9.43	-1.89
MWD	3057	11.64	218	31	3056	1.26	1.26 S	7.02 W	7.13	259.84	8.79	8.74	-5.23
MWD	3089	14.55	215	32	3087	7.09	7.09 S	11.32 W	13.36	237.94	9.24	9.09	-7.31
MWD	3120	17.85	214	31	3117	14.21	14.21 S	16.23 W	21.57	228.81	10.71	10.65	-4.32
MWD	3152	20.73	211	32	3147	23.13	23.13 S	21.90 W	31.85	223.44	9.53	9.00	-9.47
MWD	3184	23.28	211	32	3177	33.43	33.43 S	28.03 W	43.63	219.99	7.98	7.97	-1.28
MWD	3215	25.84	207	31	3205	44.73	44.73 S	34.19 W	56.31	217.39	9.71	8.26	-12.32
MWD	3247	28.67	202	32	3234	58.09	58.09 S	40.19 W	70.64	214.68	11.33	8.84	-15.50
MWD	3278	31.57	199	31	3260	72.69	72.69 S	45.56 W	85.78	212.08	10.61	9.35	-10.00
MWD	3310	33.54	197	32	3287	89.10	89.10 S	50.76 W	102.54	209.67	7.19	6.16	-6.91
MWD	3341	35.95	195	31	3313	106.12	106.12 S	55.49 W	119.75	207.60	8.51	7.77	-6.06
MWD	3373	38.35	191	32	3338	124.95	124.95 S	59.80 W	138.52	205.58	9.81	7.50	-10.47
MWD	3404	40.05	189	31	3362	144.23	144.23 S	63.28 W	157.50	203.69	6.89	5.48	-6.61
MWD	3436	42.44	187	32	3386	165.10	165.10 S	66.29 W	177.91	201.87	8.51	7.47	-6.19
MWD	3467	46.49	185	31	3409	186.68	186.68 S	68.68 W	198.91	200.20	13.67	13.06	-5.74
MWD	3498	50.41	183	31	3429	209.82	209.82 S	70.27 W	221.27	198.52	14.52	12.65	-9.55
MWD	3530	52.50	179	32	3449	234.83	234.83 S	70.66 W	245.23	196.75	10.09	6.53	-9.84
MWD	3562	53.40	178	32	3468	260.36	260.36 S	70.03 W	269.62	195.05	4.76	2.81	-4.81
MWD	3593	54.92	178	31	3486	285.48	285.48 S	69.20 W	293.75	193.63	5.15	4.90	1.94
MWD	3625	56.89	178	32	3504	311.96	311.96 S	68.35 W	319.36	192.36	6.29	6.16	-1.53
MWD	3656	59.07	177	31	3521	338.22	338.22 S	67.22 W	344.84	191.24	7.33	7.03	-2.42
MWD	3688	61.27	177	32	3537	365.95	365.95 S	65.89 W	371.83	190.21	6.89	6.88	0.47
MWD	3720	63.93	178	32	3551	394.33	394.33 S	64.65 W	399.59	189.31	8.38	8.31	1.16
MWD	3751	67.50	177	31	3564	422.55	422.55 S	63.44 W	427.29	188.54	11.55	11.52	-0.90
MWD	3783	71.03	178	32	3576	452.45	452.45 S	62.14 W	456.70	187.82	11.05	11.03	0.63
MWD	3815	74.04	178	32	3585	482.94	482.94 S	60.85 W	486.76	187.18	9.41	9.41	-0.25
MWD	3846	76.26	178	31	3593	512.88	512.88 S	59.71 W	516.35	186.64	7.37	7.16	1.81
MWD	3878	77.64	179	32	3600	544.05	544.05 S	58.95 W	547.23	186.18	5.35	4.31	3.25
MWD	3909	76.76	178	31	3607	574.27	574.27 S	58.29 W	577.22	185.80	3.71	-2.84	-2.45
MWD	3941	75.96	178	32	3615	605.35	605.35 S	57.30 W	608.05	185.41	2.79	-2.50	-1.28
MWD	3972	76.78	178	31	3622	635.46	635.46 S	56.29 W	637.95	185.06	2.76	2.65	0.81
MWD	4004	80.74	178	32	3628	666.82	666.82 S	55.28 W	669.11	184.74	12.38	12.38	-0.38
MWD	4036	84.27	178	32	3632	698.53	698.53 S	54.21 W	700.63	184.44	11.03	11.03	-0.06
MWD	4046	85.47	178	10	3,633	708.48	708.48 S	53.86 W	710.52	184.35	12.24	12.00	-2.40
MWD	4122	88.29	176	76	3,637	784.23	784.23 S	49.47 W	785.79	183.61	4.77	3.71	-3.00
MWD	4153	88.66	173	31	3,638	815.06	815.06 S	46.39 W	816.38	183.26	8.25	1.19	-8.16
MWD	4184	90.03	173	31	3,639	845.84	845.84 S	42.75 W	846.92	182.89	4.67	4.42	1.52
MWD	4216	90.17	173	32	3,639	877.63	877.63 S	39.07 W	878.50	182.55	0.66	0.44	-0.50
MWD	4247	91.44	173	31	3,638	908.42	908.42 S	35.47 W	909.11	182.24	4.10	4.10	-0.03
MWD	4278	92.11	172	31	3,637	939.16	939.16 S	31.62 W	939.69	181.93	3.64	2.16	-2.94
MWD	4309	92.86	173	31	3,636	969.88	969.88 S	27.68 W	970.28	181.64	3.04	2.42	1.84
MWD	4340	91.72	173	31	3,635	1,000.61	1,000.61 S	23.79 W	1,000.89	181.36	3.90	-3.68	-1.29
MWD	4371	91.97	173	31	3,634	1,031.36	1,031.36 S	19.95 W	1,031.55	181.11	2.13	0.81	1.97
MWD	4402	90.81	172	31	3,633	1,062.09	1,062.09 S	15.95 W	1,062.21	180.86	5.48	-3.74	-4.00
MWD	4,433	87.85	171.2	31	3,633.24	1,092.75	1,092.75 S	11.41 W	1,092.81	180.60	9.83	-9.55	-2.35
MWD	4,465	86.52	171.0	32	3,634.81	1,124.32	1,124.32 S	6.46 W	1,124.34	180.33	4.24	-4.16	-0.84
MWD	4,496	88.65	174.5	31	3,636.11	1,155.04	1,155.04 S	2.54 W	1,155.04	180.13	13.40	6.87	11.52



Well: Homer 7-11-7-14 H
 Location: Sec. 7 - T33S - R2E
 Rig: Duke Drilling Rig #20

Declination Corr.: 4.1 deg
 Grid Corr.:
 Total Corr.:

Calculation Method Minimum Curvature
 Proposed Azimuth 180 From True North
 Depth Reference KB
 Tie Into:

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
MWD	4,526	87.22	175.5	30	3,637.19	1,184.90	1,184.90 S	0.07 E	1,184.90	180.00	5.74	-4.77	3.20
MWD	4,557	86.8	177.2	31	3,638.81	1,215.80	1,215.80 S	2.04 E	1,215.80	179.90	5.83	-1.35	5.68
MWD	4,588	87.4	177.9	31	3,640.39	1,246.73	1,246.73 S	3.35 E	1,246.73	179.85	2.77	1.77	2.13
MWD	4,619	88.5	178.4	31	3,641.51	1,277.69	1,277.69 S	4.34 E	1,277.70	179.81	4.16	3.77	1.74
MWD	4,650	89.9	179.2	31	3,641.93	1,308.68	1,308.68 S	4.97 E	1,308.69	179.78	5.20	4.55	2.52
MWD	4,681	90.6	178.8	31	3,641.79	1,339.68	1,339.68 S	5.51 E	1,339.69	179.76	2.49	2.06	-1.39
MWD	4,711	90.8	178.4	30	3,641.43	1,369.66	1,369.66 S	6.25 E	1,369.68	179.74	1.61	0.90	-1.33
MWD	4,743	91.1	178.2	32	3,640.89	1,401.65	1,401.65 S	7.20 E	1,401.66	179.71	0.94	0.75	-0.56
MWD	4,774	91.0	178.7	31	3,640.32	1,432.63	1,432.63 S	8.04 E	1,432.65	179.68	1.46	-0.13	1.45
MWD	4,804	91.9	179.0	30	3,639.54	1,462.61	1,462.61 S	8.65 E	1,462.64	179.66	3.17	2.93	1.20
MWD	4,835	91.7	179.7	31	3,638.56	1,493.60	1,493.60 S	9.01 E	1,493.62	179.65	2.14	-0.68	2.03
MWD	4,867	90.2	179.6	32	3,638.03	1,525.59	1,525.59 S	9.21 E	1,525.62	179.65	4.75	-4.75	-0.06
MWD	4,898	89.9	179.0	31	3,638.01	1,556.59	1,556.59 S	9.57 E	1,556.62	179.65	2.17	-1.03	-1.90
MWD	4,929	90.2	179.3	31	3,638.00	1,587.58	1,587.58 S	10.02 E	1,587.62	179.64	1.26	0.97	0.81
MWD	4,960	90.9	179.6	31	3,637.73	1,618.58	1,618.58 S	10.32 E	1,618.61	179.63	2.41	2.19	1.00
MWD	4,991	91.3	179.7	31	3,637.13	1,649.57	1,649.57 S	10.52 E	1,649.61	179.63	1.59	1.58	0.19
MWD	5,023	92.0	179.6	32	3,636.20	1,681.56	1,681.56 S	10.73 E	1,681.59	179.63	2.10	2.09	-0.16
MWD	5,055	92.1	180.1	32	3,635.06	1,713.54	1,713.54 S	10.82 E	1,713.57	179.64	1.42	0.22	1.41
MWD	5,086	90.5	181.2	31	3,634.36	1,744.53	1,744.53 S	10.48 E	1,744.56	179.66	6.27	-5.10	3.65
MWD	5,118	88.8	180.4	32	3,634.55	1,776.52	1,776.52 S	10.05 E	1,776.55	179.68	5.86	-5.25	-2.59
MWD	5,149	90.0	179.8	31	3,634.86	1,807.52	1,807.52 S	10.01 E	1,807.55	179.68	4.36	3.90	-1.94
MWD	5,181	90.6	179.5	32	3,634.67	1,839.52	1,839.52 S	10.22 E	1,839.55	179.68	2.05	1.91	-0.75
MWD	5,212	89.5	180.6	31	3,634.63	1,870.52	1,870.52 S	10.18 E	1,870.55	179.69	5.00	-3.58	3.48
MWD	5,244	89.0	181.2	32	3,635.05	1,902.51	1,902.51 S	9.69 E	1,902.54	179.71	2.48	-1.78	1.72
MWD	5,275	88.7	181.2	31	3,635.67	1,933.50	1,933.50 S	9.05 E	1,933.52	179.73	0.78	-0.74	0.23
MWD	5,307	89.7	180.9	32	3,636.12	1,965.49	1,965.49 S	8.45 E	1,965.51	179.75	3.04	2.91	-0.88
MWD	5,339	88.0	180.1	32	3,636.77	1,997.48	1,997.48 S	8.16 E	1,997.50	179.77	5.74	-5.13	-2.59
MWD	5,370	88.2	180.2	31	3,637.79	2,028.46	2,028.46 S	8.08 E	2,028.48	179.77	0.69	0.65	0.26
MWD	5,402	87.7	179.6	32	3,638.92	2,060.44	2,060.44 S	8.15 E	2,060.46	179.77	2.54	-1.56	-2.00
MWD	5,434	87.6	180.6	32	3,640.24	2,092.42	2,092.42 S	8.12 E	2,092.43	179.78	3.16	-0.47	3.13
MWD	5,465	87.9	180.6	31	3,641.45	2,123.39	2,123.39 S	7.81 E	2,123.40	179.79	1.14	1.13	0.16
MWD	5,497	88.1	180.1	32	3,642.57	2,155.37	2,155.37 S	7.62 E	2,155.38	179.80	1.68	0.53	-1.59
MWD	5,528	88.8	181.5	31	3,643.41	2,186.35	2,186.35 S	7.19 E	2,186.37	179.81	5.08	2.26	4.55
MWD	5,559	89.6	181.7	31	3,643.86	2,217.34	2,217.34 S	6.31 E	2,217.35	179.84	2.59	2.48	0.74
MWD	5,591	89.1	181.1	32	3,644.24	2,249.33	2,249.33 S	5.51 E	2,249.33	179.86	2.44	-1.56	-1.87
MWD	5,623	89.7	180.6	32	3,644.59	2,281.32	2,281.32 S	5.03 E	2,281.33	179.87	2.59	1.97	-1.69
MWD	5,654	90.5	180.9	31	3,644.54	2,312.32	2,312.32 S	4.62 E	2,312.32	179.89	2.85	2.61	1.13
MWD	5,685	90.5	181.2	31	3,644.27	2,343.31	2,343.31 S	4.04 E	2,343.31	179.90	0.84	0.00	0.84
MWD	5,717	89.5	181.9	32	3,644.27	2,375.30	2,375.30 S	3.18 E	2,375.30	179.92	3.80	-3.13	2.16
MWD	5,748	89.4	181.7	31	3,644.57	2,406.28	2,406.28 S	2.21 E	2,406.28	179.95	0.69	-0.32	-0.61
MWD	5,780	89.2	181.4	32	3,644.96	2,438.27	2,438.27 S	1.35 E	2,438.27	179.97	1.22	-0.66	-1.03
MWD	5,812	88.2	181.3	32	3,645.70	2,470.25	2,470.25 S	0.62 E	2,470.25	179.99	3.17	-3.16	-0.34
MWD	5,843	87.0	181.7	31	3,647.00	2,501.21	2,501.21 S	0.18 W	2,501.21	180.00	4.01	-3.77	1.35
MWD	5,875	85.3	178.7	32	3,649.15	2,533.13	2,533.13 S	0.28 W	2,533.13	180.01	10.76	-5.38	-9.34
MWD	5,907	84.4	176.8	32	3,652.03	2,564.98	2,564.98 S	0.98 E	2,564.98	179.98	6.62	-2.84	-6.00
MWD	5,938	84.8	177.3	31	3,654.95	2,595.80	2,595.80 S	2.58 E	2,595.80	179.94	2.22	1.42	1.71
MWD	5,969	85.4	177.2	31	3,657.60	2,626.65	2,626.65 S	4.06 E	2,626.65	179.91	1.77	1.74	-0.29
MWD	6,000	85.7	177.6	31	3,660.01	2,657.52	2,657.52 S	5.44 E	2,657.53	179.88	1.81	1.16	1.39
MWD	6,032	86.0	177.4	32	3,662.33	2,689.41	2,689.41 S	6.84 E	2,689.42	179.85	1.15	0.75	-0.87
MWD	6,063	86.5	177.3	31	3,664.36	2,720.31	2,720.31 S	8.29 E	2,720.32	179.83	1.87	1.84	-0.35
MWD	6,095	86.7	177.3	32	3,666.26	2,752.22	2,752.22 S	9.82 E	2,752.23	179.80	0.44	0.44	0.06
MWD	6,127	87.0	176.9	32	3,668.03	2,784.13	2,784.13 S	11.43 E	2,784.15	179.76	1.46	1.03	-1.03
MWD	6,158	88.3	176.7	31	3,669.30	2,815.05	2,815.05 S	13.16 E	2,815.08	179.73	4.26	4.16	-0.94



Well: Homer 7-11-7-14 H
 Location: Sec. 7 - T33S - R2E
 Rig: Duke Drilling Rig #20

Declination Corr.: 4.1 deg
 Grid Corr.: _____
 Total Corr.: _____

Calculation Method Minimum Curvature
 Proposed Azimuth 180 From True North
 Depth Reference KB
 Tie Into: _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
MWD	6,190	88.8	176.6	32	3,670.12	2,846.99	2,846.99 S	15.04 E	2,847.02	179.70	1.47	1.47	-0.06
MWD	6,221	89.0	176.9	31	3,670.72	2,877.93	2,877.93 S	16.78 E	2,877.98	179.67	1.31	0.84	1.00
MWD	6,253	90.5	177.0	32	3,670.86	2,909.88	2,909.88 S	18.48 E	2,909.94	179.64	4.56	4.56	0.03
MWD	6,285	91.3	176.8	32	3,670.37	2,941.83	2,941.83 S	20.24 E	2,941.90	179.61	2.54	2.47	-0.59
MWD	6,316	91.0	176.4	31	3,669.76	2,972.77	2,972.77 S	22.08 E	2,972.85	179.57	1.41	-0.84	-1.13
MWD	6,348	90.5	176.0	32	3,669.34	3,004.70	3,004.70 S	24.20 E	3,004.80	179.54	2.10	-1.69	-1.25
MWD	6,379	91.1	175.7	31	3,668.93	3,035.61	3,035.61 S	26.43 E	3,035.73	179.50	2.17	1.97	-0.90
MWD	6,410	91.3	176.0	31	3,668.29	3,066.53	3,066.53 S	28.68 E	3,066.66	179.46	0.94	0.61	0.71
MWD	6,442	90.9	177.1	32	3,667.67	3,098.46	3,098.46 S	30.61 E	3,098.61	179.43	3.86	-1.03	3.72
MWD	6,474	91.7	176.4	32	3,666.95	3,130.40	3,130.40 S	32.41 E	3,130.57	179.41	3.20	2.22	-2.31
MWD	6,505	91.7	176.3	31	3,666.05	3,161.33	3,161.33 S	34.39 E	3,161.51	179.38	0.37	0.10	-0.35
MWD	6,537	91.9	176.0	32	3,665.04	3,193.24	3,193.24 S	36.53 E	3,193.45	179.34	1.15	0.75	-0.88
MWD	6,568	92.3	176.5	31	3,663.90	3,224.15	3,224.15 S	38.56 E	3,224.38	179.31	2.01	1.29	1.55
MWD	6,600	92.2	177.0	32	3,662.64	3,256.07	3,256.07 S	40.38 E	3,256.32	179.29	1.63	-0.47	1.56
MWD	6,632	92.5	176.0	32	3,661.33	3,287.99	3,287.99 S	42.33 E	3,288.26	179.26	3.25	1.09	-3.06
MWD	6,663	92.1	176.2	31	3,660.10	3,318.89	3,318.89 S	44.44 E	3,319.19	179.23	1.59	-1.52	0.48
MWD	6,695	91.0	175.3	32	3,659.25	3,350.79	3,350.79 S	46.83 E	3,351.12	179.20	4.30	-3.28	-2.78
MWD	6,726	90.7	174.7	31	3,658.78	3,381.67	3,381.67 S	49.55 E	3,382.03	179.16	2.05	-0.84	-1.87
MWD	6,758	91.3	174.3	32	3,658.21	3,413.51	3,413.51 S	52.61 E	3,413.92	179.12	2.06	1.69	-1.19
MWD	6,790	90.5	173.8	32	3,657.72	3,445.34	3,445.34 S	55.94 E	3,445.79	179.07	3.06	-2.53	-1.72
MWD	6,821	90.9	173.3	31	3,657.36	3,476.14	3,476.14 S	59.42 E	3,476.65	179.02	1.87	1.29	-1.35
MWD	6,883	91.6	173.7	62	3,656.05	3,537.73	3,537.73 S	66.39 E	3,538.35	178.92	1.29	1.11	0.65
TD	7,015	91.0	173.0	132	3,653.10	3,668.81	3,668.81 S	81.63 E	3,669.72	178.73	0.70	-0.42	-0.56

Source Energy MidCon, LLC Completion Plat Homer 7-11-7-14

