KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1106998

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34729
Name: Sanchez Oil & Gas Corporation
Address 1: 1111 BAGBY, STE 1800
Address 2:
City: HOUSTON State: TX Zip: 77002 + __ __ __ __
Contact Person: Ed Birdwell
Phone: (713) 783-8000
CONTRACTOR: License # 34000
Name: Kenai Mid-Continent, Inc.
Wellsite Geologist: John Hayes
Purchaser: Plains Marketing LP

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
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

08/20/2012	09/11/2012	11/12/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-069-20388-01-00
Spot Description:
SW - SE - SE - SE Sec. 5 Twp. 26 S. R. 29 ☐ East ☑ West
245 Feet from ☐ North / ☑ South Line of Section
559 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

County: Gray
Lease Name: Renick Well #: 5-1H
Field Name: Ingalls
Producing Formation: Mississippian
Elevation: Ground: 2725 Kelly Bushing: 2742
Total Depth: 4908 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1515 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: 13000 ppm Fluid volume: 1500 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Heat Wave Hot Oil Service
Lease Name: Robinson Farms License #: 31791
Quarter SE Sec. 15 Twp. 19 S. R. 34 ☐ East ☑ West
County: Scott Permit #: E-28035

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

☑ **Letter of Confidentiality Received**
Date: 01/09/2013
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 01/16/2013

Side Two

[redacted]

1106998

Operator Name: Sanchez Oil & Gas Corporation Lease Name: Renick Well #: 5-1H

Sec. 5 Twp. 26 S. R. 29 ☐ East ☑ West County: Gray

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Gamma Ray- MWD

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	9.625	36	1515	A	600	.25 LB SX FS
Intermediate	8.75	7	26	5444	A	405	.6%FL 160/.15%SMS
Production	6.125	4.5	11.6	9999	H	470	.6&FL-160, 1%CD 31

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
6	5503 MD - 10495 MD	Perf W 2.75 Gun	
	5503 MD - 10495MD	Frac W 103195 bblsfluid & 1652490 lbs proppant	

TUBING RECORD: Size:	Set At:	Packer At:	Liner Run:
3.5	4890	0	☑ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR.	Producing Method:
12/14/2012	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	27	216	4008	8	28

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
5503=10495

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Sanchez Oil & Gas Corporation
Well Name	Renick 5-1H
Doc ID	1106998

Tops

Name	Top	Datum
Stone Corral	1784	MD
Hutchinson	2250	MD
Tarkio	3535	MD
Heebner	4109	MD
Stark	4485	MD
Pawnee	4711	MD
Cherokee	4748	MD
Mississippian	4897	MD

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

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

January 07, 2013

Ed Birdwell
Sanchez Oil & Gas Corporation
1111 BAGBY, STE 1800
HOUSTON, TX 77002

Re: ACO1
API 15-069-20388-01-00
Renick 5-1H
SE/4 Sec.05-26S-29W
Gray 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,
Ed Birdwell

Archer

Archer Directional Drilling Services.
911 Regional Park Drive
Houston, Texas 77060
Tel: 281-934-9600
Fax: 281-951-2101

Sanchez Oil & Gas Corporation
1920 Sandman Street
Laredo, Texas 78041

September 19, 2012

Re: Renick #5-1H
Rig: Kenai 55
Gray County, Kansas

Enclosed please find the original of the survey performed on the referenced well by Archer Directional Drilling Services. Other information required by your office is as follows:

Name & Title Of Surveyor	Wellhole Number	Survey Depths	Dates Performed	Type Survey
Chris Anderson Field Engineer	Original Hole	1540-10549	08/21/12-09/10/12	MWD

If additional information is required, please contact the undersigned at the letterhead address and phone number.

Martin Campbell
MWD Coordinator

Archer

Archer Directional Drilling Services.
911 Regional Park Drive
Houston, Texas 77060
Tel: 281-934-9600
Fax: 281-951-2101

MWD Survey Certification

State of Kansas
County of Gray

I, Martin Campbell, certify that; I am employed by Archer Directional Drilling Services; that I did on the day(s) of 08/21/12 through 09/10/12, conduct or supervise the taking of MWD surveys from a depth of 1540 feet to a depth of 10549 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Archer Directional Drilling Services; that I am authorized and qualified to make this report; that these surveys were conducted at the request for the Renick #5-1H well located in Grey County, Kansas; and that I have reviewed this report and find that if conforms to the principles and procedures as set forth by Archer Directional Drilling Services.

Martin Campbell
MWD Coordinator

Archer

Company:	Sanchez Oil & Gas Corporation	**Job Number:**	HL 12242	**Calculation Method**	Minimum Curvature
Well:	Renick #5-1H	**Mag Decl.:**	7.36	**Proposed Azimuth**	0.9
Location:	Gray County, Kansas	**Dir Driller:**	Jimbo Swan	**Depth Reference**	KBG
Rig:	Kenai 55	**MWD Eng:**	C Anderson, D Trevino	**Tie Into:**	Gyro Survey
Job Date:	08/21/12 - 09/10/12				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In	**1504.00**	**1.96**	**10.81**	0	**1503.52**	**28.71**	**28.71**	**-9.68**					
1	1540.00	1.6	344.5	36	1539.50	29.64	29.80 N	9.70 W	31.34	341.97	2.45	-1.00	926.92
2	1635.00	1.1	341.6	95	1634.48	31.78	31.94 N	10.34 W	33.57	342.06	0.53	-0.53	-3.05
3	1730.00	0.6	332.9	95	1729.47	33.08	33.25 N	10.86 W	34.98	341.92	0.54	-0.53	-9.16
4	1824.00	0.7	357.3	94	1823.46	34.09	34.26 N	11.11 W	36.02	342.04	0.31	0.11	25.96
5	1919.00	0.5	142.9	95	1918.46	34.34	34.51 N	10.88 W	36.19	342.50	1.21	-0.21	-225.68
6	2012.00	0.6	154.6	93	2011.45	33.58	33.75 N	10.43 W	35.32	342.83	0.16	0.11	12.58
7	2105.00	0.4	148.0	93	2104.45	32.87	33.03 N	10.05 W	34.53	343.08	0.22	-0.22	-7.10
8	2200.00	0.2	149.7	95	2199.45	32.45	32.61 N	9.79 W	34.05	343.29	0.21	-0.21	1.79
9	2294.00	0.3	142.4	94	2293.45	32.12	32.27 N	9.56 W	33.66	343.50	0.11	0.11	-7.77
10	2390.00	0.3	134.2	96	2389.45	31.75	31.90 N	9.22 W	33.20	343.87	0.04	0.00	-8.54
11	2483.00	0.1	104.0	93	2482.45	31.56	31.71 N	8.97 W	32.95	344.20	0.24	-0.22	-32.47
12	2579.00	0.1	106.9	96	2578.45	31.52	31.66 N	8.81 W	32.87	344.45	0.01	0.00	3.02
13	2673.00	0.1	79.7	94	2672.45	31.52	31.65 N	8.65 W	32.81	344.72	0.05	0.00	-28.94
14	2767.00	0.2	70.1	94	2766.44	31.59	31.72 N	8.41 W	32.82	345.14	0.11	0.11	-10.21
15	2861.00	0.1	345.3	94	2860.44	31.73	31.86 N	8.28 W	32.92	345.43	0.23	-0.11	292.77
16	2956.00	0.1	323.7	95	2955.44	31.87	32.01 N	8.35 W	33.08	345.38	0.04	0.00	-22.74
17	3050.00	0.2	93.8	94	3049.44	31.93	32.06 N	8.24 W	33.10	345.59	0.29	0.11	-244.57
18	3145.00	0.2	138.1	95	3144.44	31.80	31.93 N	7.96 W	32.90	346.00	0.16	0.00	46.63
19	3239.00	0.4	103.2	94	3238.44	31.61	31.73 N	7.53 W	32.61	346.65	0.28	0.21	-37.13
20	3333.00	0.4	117.7	94	3332.44	31.39	31.50 N	6.92 W	32.25	347.61	0.11	0.00	15.43
21	3427.00	0.3	134.4	94	3426.44	31.07	31.18 N	6.45 W	31.84	348.30	0.15	-0.11	17.77
22	3522.00	0.2	122.7	95	3521.44	30.82	30.91 N	6.14 W	31.52	348.77	0.12	-0.11	-12.32
23	3617.00	0.2	197.1	95	3616.44	30.57	30.67 N	6.05 W	31.26	348.85	0.25	0.00	78.32
24	3711.00	0.2	184.8	94	3710.44	30.25	30.35 N	6.11 W	30.96	348.62	0.05	0.00	-13.09
25	3806.00	0.2	207.9	95	3805.44	29.93	30.03 N	6.20 W	30.67	348.34	0.08	0.00	24.32
26	3900.00	0.2	240.1	94	3899.43	29.70	29.81 N	6.42 W	30.49	347.85	0.12	0.00	34.26
27	3995.00	0.1	218.1	95	3994.43	29.55	29.66 N	6.61 W	30.39	347.43	0.12	-0.11	-23.16
28	4089.00	0.2	33.8	94	4088.43	29.63	29.73 N	6.57 W	30.45	347.53	0.32	0.11	-196.06
29	4121.00	0.9	12.0	32	4120.43	29.92	30.02 N	6.49 W	30.72	347.80	2.24	2.19	-68.13
30	4153.00	2.4	10.7	32	4152.42	30.83	30.93 N	6.31 W	31.57	348.46	4.69	4.69	-4.06
31	4184.00	4.0	10.1	31	4183.37	32.53	32.63 N	6.00 W	33.18	349.58	5.16	5.16	-1.94
32	4216.00	5.7	9.6	32	4215.25	35.21	35.30 N	5.54 W	35.73	351.08	5.31	5.31	-1.56
33	4248.00	7.8	6.1	32	4247.03	38.94	39.02 N	5.05 W	39.35	352.63	6.68	6.56	-10.94
34	4279.00	10.4	3.1	31	4277.64	43.83	43.91 N	4.67 W	44.16	353.93	8.52	8.39	-9.68

Archer

Company:	Sanchez Oil & Gas Corporation	**Job Number:**	HL 12242	**Calculation Method**	Minimum Curvature
Well:	Renick #5-1H	**Mag Decl.:**	7.36	**Proposed Azimuth**	0.9
Location:	Gray County, Kansas	**Dir Driller:**	Jimbo Swan	**Depth Reference**	KBG
Rig:	Kenai 55	**MWD Eng:**	C Anderson, D Trevino	**Tie Into:**	Gyro Survey
Job Date:	08/21/12 - 09/10/12				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
35	4311.00	13.4	2.3	32	4308.95	50.43	50.50 N	4.37 W	50.69	355.06	9.39	9.38	-2.50
36	4342.00	16.9	0.7	31	4338.86	58.53	58.60 N	4.17 W	58.75	355.93	11.37	11.29	-5.16
37	4373.00	20.1	359.9	31	4368.26	68.36	68.43 N	4.12 W	68.56	356.55	10.35	10.32	1158.71
38	4405.00	23.1	359.4	32	4398.01	80.14	80.21 N	4.20 W	80.32	357.00	9.39	9.38	-1.56
39	4436.00	25.9	360.0	31	4426.21	92.99	93.06 N	4.26 W	93.16	357.38	9.07	9.03	1.94
40	4468.00	28.7	1.0	32	4454.65	107.66	107.74 N	4.13 W	107.82	357.81	8.87	8.75	-1121.88
41	4499.00	31.2	1.5	31	4481.51	123.14	123.21 N	3.79 W	123.27	358.24	8.10	8.06	1.61
42	4531.00	33.3	1.5	32	4508.57	140.21	140.28 N	3.34 W	140.32	358.64	6.56	6.56	0.00
43	4562.00	35.6	1.6	31	4534.13	157.74	157.81 N	2.86 W	157.83	358.96	7.42	7.42	0.32
44	4594.00	38.0	1.4	32	4559.75	176.91	176.97 N	2.36 W	176.98	359.23	7.51	7.50	-0.63
45	4625.00	40.6	1.2	31	4583.74	196.54	196.60 N	1.92 W	196.61	359.44	8.40	8.39	-0.65
46	4656.00	43.2	1.0	31	4606.81	217.24	217.29 N	1.52 W	217.30	359.60	8.40	8.39	-0.65
47	4688.00	46.5	0.8	32	4629.49	239.81	239.86 N	1.17 W	239.86	359.72	10.32	10.31	-0.63
48	4719.00	48.6	1.0	31	4650.41	262.68	262.73 N	0.81 W	262.73	359.82	6.79	6.77	0.65
49	4749.00	48.7	0.7	30	4670.23	285.20	285.24 N	0.48 W	285.24	359.90	0.82	0.33	-1.00
50	4779.00	49.4	0.6	30	4689.90	307.86	307.90 N	0.22 W	307.90	359.96	2.35	2.33	-0.33
51	4811.00	49.7	0.3	32	4710.66	332.21	332.25 N	0.03 W	332.25	360.00	1.18	0.94	-0.94
52	4842.00	49.8	0.6	31	4730.69	355.87	355.91 N	0.16 E	355.91	0.03	0.81	0.32	0.97
53	4874.00	49.5	0.4	32	4751.41	380.26	380.30 N	0.37 E	380.30	0.06	1.05	-0.94	-0.63
54	4906.00	49.5	0.4	32	4772.19	404.59	404.63 N	0.54 E	404.63	0.08	0.00	0.00	0.00
55	4938.00	52.0	0.2	32	4792.43	429.37	429.41 N	0.67 E	429.41	0.09	7.83	7.81	-0.63
56	4969.00	54.2	0.8	31	4811.04	454.15	454.19 N	0.89 E	454.20	0.11	7.26	7.10	1.94
57	5001.00	57.4	0.9	32	4829.03	480.62	480.65 N	1.28 E	480.66	0.15	10.00	10.00	0.31
58	5032.00	60.6	1.0	31	4844.99	507.19	507.22 N	1.72 E	507.22	0.19	10.33	10.32	0.32
59	5063.00	63.6	1.4	31	4859.50	534.58	534.61 N	2.30 E	534.61	0.25	9.74	9.68	1.29
60	5095.00	66.0	1.6	32	4873.12	563.53	563.55 N	3.06 E	563.56	0.31	7.52	7.50	0.63
61	5126.00	68.1	1.4	31	4885.21	592.07	592.08 N	3.80 E	592.10	0.37	6.80	6.77	-0.65
62	5158.00	70.3	1.3	32	4896.57	621.98	621.99 N	4.51 E	622.01	0.42	6.88	6.88	-0.31
63	5190.00	72.2	1.4	32	4906.86	652.28	652.28 N	5.22 E	652.30	0.46	5.94	5.94	0.31
64	5222.00	74.5	1.1	32	4916.02	682.94	682.93 N	5.89 E	682.96	0.49	7.24	7.19	-0.94
65	5253.00	76.8	1.0	31	4923.71	712.97	712.96 N	6.44 E	712.98	0.52	7.43	7.42	-0.32
66	5285.00	79.0	0.7	32	4930.41	744.26	744.24 N	6.90 E	744.27	0.53	6.94	6.88	-0.94
67	5317.00	81.5	0.2	32	4935.83	775.79	775.77 N	7.15 E	775.81	0.53	7.96	7.81	-1.56
68	5348.00	83.8	359.7	31	4939.80	806.53	806.52 N	7.12 E	806.55	0.51	7.59	7.42	1159.68
69	5389.00	86.0	359.7	41	4943.44	847.36	847.35 N	6.91 E	847.38	0.47	5.37	5.37	0.00
70	5465.00	88.7	359.7	76	4946.96	923.25	923.26 N	6.51 E	923.28	0.40	3.55	3.55	0.00
71	5497.00	88.9	0.1	32	4947.63	955.24	955.25 N	6.46 E	955.28	0.39	1.40	0.63	-1123.75
72	5528.00	88.4	359.8	31	4948.36	986.23	986.25 N	6.43 E	986.27	0.37	1.88	-1.61	1160.32

Archer

Company:	Sanchez Oil & Gas Corporation	**Job Number:**	HL 12242	**Calculation Method**	Minimum Curvature
Well:	Renick #5-1H	**Mag Decl.:**	7.36	**Proposed Azimuth**	0.9
Location:	Gray County, Kansas	**Dir Driller:**	Jimbo Swan	**Depth Reference**	KBG
Rig:	Kenai 55	**MWD Eng:**	C Anderson, D Trevino	**Tie Into:**	Gyro Survey
Job Date:	08/21/12 - 09/10/12				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
73	5559.00	88.1	359.4	31	4949.30	1017.20	1017.23 N	6.21 E	1017.25	0.35	1.61	-0.97	-1.29
74	5652.00	88.1	358.7	93	4952.39	1110.10	1110.17 N	4.67 E	1110.18	0.24	0.75	0.00	-0.75
75	5745.00	89.4	358.8	93	4954.42	1203.02	1203.12 N	2.64 E	1203.12	0.13	1.40	1.40	0.11
76	5838.00	90.8	359.4	93	4954.25	1295.97	1296.11 N	1.18 E	1296.11	0.05	1.64	1.51	0.65
77	5932.00	91.2	359.1	94	4952.61	1389.91	1390.08 N	0.05 W	1390.08	360.00	0.53	0.43	-0.32
78	5964.00	90.6	359.0	32	4952.11	1421.89	1422.07 N	0.58 W	1422.07	359.98	1.90	-1.88	-0.31
79	5996.00	90.0	359.3	32	4951.94	1453.88	1454.07 N	1.05 W	1454.07	359.96	2.10	-1.87	0.94
80	6027.00	89.3	359.7	31	4952.13	1484.87	1485.07 N	1.32 W	1485.07	359.95	2.60	-2.26	1.29
81	6121.00	87.3	0.8	94	4954.92	1578.82	1579.02 N	0.91 W	1579.02	359.97	2.43	-2.13	-381.81
82	6214.00	87.6	0.6	93	4959.06	1671.72	1671.92 N	0.22 E	1671.92	0.01	0.39	0.32	-0.22
83	6307.00	88.0	0.9	93	4962.63	1764.65	1764.84 N	1.44 E	1764.84	0.05	0.54	0.43	0.32
84	6400.00	89.0	1.1	93	4965.06	1857.62	1857.80 N	3.06 E	1857.80	0.09	1.10	1.08	0.22
85	6493.00	89.7	1.1	93	4966.12	1950.61	1950.77 N	4.85 E	1950.78	0.14	0.75	0.75	0.00
86	6587.00	89.2	0.3	94	4967.02	2044.61	2044.76 N	5.99 E	2044.77	0.17	1.00	-0.53	-0.85
87	6680.00	89.4	0.6	93	4968.16	2137.60	2137.75 N	6.72 E	2137.76	0.18	0.39	0.22	0.32
88	6773.00	89.4	0.9	93	4969.13	2230.59	2230.74 N	7.94 E	2230.75	0.20	0.32	0.00	0.32
89	6866.00	89.6	1.5	93	4969.94	2323.59	2323.71 N	9.89 E	2323.73	0.24	0.68	0.22	0.65
90	6960.00	92.6	2.1	94	4968.14	2417.55	2417.64 N	12.84 E	2417.67	0.30	3.25	3.19	0.64
91	7052.00	92.0	2.3	92	4964.45	2509.45	2509.50 N	16.37 E	2509.55	0.37	0.69	-0.65	0.22
92	7145.00	92.1	2.8	93	4961.12	2602.35	2602.34 N	20.50 E	2602.42	0.45	0.55	0.11	0.54
93	7238.00	89.9	2.4	93	4959.50	2695.29	2695.23 N	24.72 E	2695.34	0.53	2.40	-2.37	-0.43
94	7331.00	90.7	2.4	93	4959.01	2788.25	2788.14 N	28.62 E	2788.29	0.59	0.86	0.86	0.00
95	7425.00	90.9	2.3	94	4957.70	2882.21	2882.06 N	32.47 E	2882.24	0.65	0.24	0.21	-0.11
96	7518.00	89.6	1.8	93	4957.29	2975.19	2974.99 N	35.80 E	2975.21	0.69	1.50	-1.40	-0.54
97	7611.00	89.7	1.4	93	4957.86	3068.18	3067.96 N	38.39 E	3068.20	0.72	0.44	0.11	-0.43
98	7704.00	89.5	0.9	93	4958.51	3161.18	3160.93 N	40.26 E	3161.19	0.73	0.58	-0.22	-0.54
99	7798.00	90.2	0.7	94	4958.75	3255.18	3254.92 N	41.57 E	3255.19	0.73	0.77	0.74	-0.21
100	7890.00	89.7	0.7	92	4958.84	3347.18	3346.92 N	42.70 E	3347.19	0.73	0.54	-0.54	0.00
101	7984.00	89.5	0.8	94	4959.49	3441.17	3440.91 N	43.93 E	3441.19	0.73	0.24	-0.21	0.11
102	8078.00	90.0	0.8	94	4959.90	3535.17	3534.90 N	45.24 E	3535.19	0.73	0.53	0.53	0.00
103	8171.00	91.1	0.7	93	4959.01	3628.17	3627.88 N	46.46 E	3628.18	0.73	1.19	1.18	-0.11
104	8265.00	92.4	0.3	94	4956.14	3722.12	3721.83 N	47.28 E	3722.13	0.73	1.45	1.38	-0.43
105	8359.00	91.9	1.2	94	4952.61	3816.05	3815.76 N	48.51 E	3816.07	0.73	1.09	-0.53	0.96
106	8452.00	91.5	1.7	93	4949.85	3909.00	3908.69 N	50.86 E	3909.02	0.75	0.69	-0.43	0.54
107	8545.00	90.5	2.0	93	4948.23	4001.98	4001.62 N	53.86 E	4001.98	0.77	1.12	-1.08	0.32
108	8664.00	91.2	1.6	119	4946.46	4120.95	4120.55 N	57.60 E	4120.95	0.80	0.68	0.59	-0.34
109	8759.00	91.8	2.1	95	4943.98	4215.90	4215.47 N	60.66 E	4215.90	0.82	0.82	0.63	0.53
110	8852.00	90.9	3.1	93	4941.79	4308.83	4308.34 N	64.88 E	4308.83	0.86	1.45	-0.97	1.08

Archer

Company:	Sanchez Oil & Gas Corporation	**Job Number:**	HL 12242	**Calculation Method**	Minimum Curvature
Well:	Renick #5-1H	**Mag Decl.:**	7.36	**Proposed Azimuth**	0.9
Location:	Gray County, Kansas	**Dir Driller:**	Jimbo Swan	**Depth Reference**	KBG
Rig:	Kenai 55	**MWD Eng:**	C Anderson, D Trevino	**Tie Into:**	Gyro Survey
Job Date:	08/21/12 - 09/10/12				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
111	8945.00	89.9	3.1	93	4941.14	4401.76	4401.20 N	69.91 E	4401.76	0.91	1.08	-1.08	0.00
112	9038.00	89.8	2.2	93	4941.38	4494.71	4494.10 N	74.21 E	4494.71	0.95	0.97	-0.11	-0.97
113	9131.00	90.4	1.3	93	4941.22	4587.70	4587.06 N	77.05 E	4587.70	0.96	1.16	0.65	-0.97
114	9224.00	91.0	359.5	93	4940.08	4680.69	4680.04 N	77.70 E	4680.69	0.95	2.04	0.65	385.16
115	9318.00	91.1	359.4	94	4938.36	4774.64	4774.02 N	76.80 E	4774.64	0.92	0.15	0.11	-0.11
116	9411.00	90.9	359.3	93	4936.74	4867.59	4867.00 N	75.74 E	4867.59	0.89	0.24	-0.22	-0.11
117	9505.00	91.3	358.9	94	4934.93	4961.53	4960.97 N	74.27 E	4961.53	0.86	0.60	0.43	-0.43
118	9599.00	91.5	359.0	94	4932.64	5055.45	5054.93 N	72.54 E	5055.45	0.82	0.24	0.21	0.11
119	9692.00	91.3	359.6	93	4930.36	5148.38	5147.89 N	71.41 E	5148.39	0.79	0.68	-0.22	0.65
120	9786.00	90.9	359.9	94	4928.56	5242.35	5241.88 N	71.00 E	5242.36	0.78	0.53	-0.43	0.32
121	9880.00	90.8	0.1	94	4927.16	5336.32	5335.87 N	71.00 E	5336.34	0.76	0.24	-0.11	-382.77
122	9973.00	91.1	359.9	93	4925.62	5429.30	5428.85 N	71.00 E	5429.32	0.75	0.39	0.32	386.88
123	10067.00	92.0	359.3	94	4923.08	5523.24	5522.81 N	70.34 E	5523.26	0.73	1.15	0.96	-0.64
124	10161.00	91.1	359.5	94	4920.54	5617.17	5616.77 N	69.36 E	5617.20	0.71	0.98	-0.96	0.21
125	10254.00	92.0	358.9	93	4918.02	5710.10	5709.73 N	68.06 E	5710.14	0.68	1.16	0.97	-0.65
126	10347.00	91.3	0.2	93	4915.34	5803.03	5802.69 N	67.33 E	5803.08	0.66	1.59	-0.75	-385.70
127	10441.00	92.0	0.1	94	4912.64	5896.98	5896.65 N	67.58 E	5897.03	0.66	0.75	0.74	-0.11
128	10498.00	92.4	359.5	57	4910.45	5953.93	5953.60 N	67.38 E	5953.98	0.65	1.26	0.70	630.53
Proj	10549.00	92.4	359.5	51	4908.31	6004.87	6004.56 N	66.93 E	6004.93	0.64	0.00	0.00	0.00

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

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

January 10, 2013

Ed Birdwell
Sanchez Oil & Gas Corporation
1111 BAGBY, STE 1800
HOUSTON, TX 77002

Re: ACO-1
API 15-069-20388-01-00
Renick 5-1H
SE/4 Sec.05-26S-29W
Gray County, Kansas

Dear Ed Birdwell:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/20/2012 and the ACO-1 was received on January 09, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

KB

ALLIED OIL & GAS SERVICES, LLC 053447

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Liberal Ks.

DATE 08-21-12	SEC. 5	TWP. 26	RANGE 29	CALLED OUT	ON LOCATION	JOB START 4:30	JOB FINISH 5:00
LEASE Reick	WELL # 5-111		LOCATION S. Ingalls Ks			COUNTY Gray	STATE Ks.
OLD OR (NEW) (Circle one)							

CONTRACTOR Kenai Rig
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 1515 feet
CASING SIZE 9 5/8 36# DEPTH 1517 feet
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1100 PSI MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 42.'
PERFS.
DISPLACEMENT 114 BBls H2O

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Ruben Chavez
531/541 HELPER Cesar Pavia
BULK TRUCK
456/251 DRIVER Twa - Eddy
BULK TRUCK
470/528 DRIVER Ricardo Estrada

REMARKS:

Plug mouse rat hole with 50sk 60/40 4% Gel on water dispossal well #5-1 Reick. Mixt pump 600sk cement and displaced with 114 BBls H2O, 25 Bbls slurry circulate to pit. Bump Plug at 1100 PSI. ½ BBL Bleed back Flow held.
Thank you

CHARGE TO: Sanchez Oil & Gas
STREET
CITY STATE ZIP

CEMENT

AMOUNT ORDERED 400sk 65/35-6% Bel, 3% CC, 1/4 FS/sk, 200sk "A" 2% CC, 1/4 FS/sk, 50sk 60/40 4% Gel.

COMMON	200sk "A"	@ 16.25	3,250.00
POZMIX		@	
GEL		@	
CHLORIDE	18	@ 58.20	1,047.60
ASC		@	
ALC2A	400sk	@ 15.00	6,000.00
FLSI - Flo Seal	150#	@ 2.70	405.00
ALC1A	50	@ 14.50	725.00
		@	
		@	
		@	
		@	
		@	
HANDLING	720 - 6 ft	@ 2.25	1,620.00
MILEAGE	1431.50 ton M	2.35	3,364.63
		TOTAL	16,411.63

SERVICE

DEPTH OF JOB			1515 feet
PUMP TRUCK CHARGE			1,925.00
EXTRA FOOTAGE		@	
MILEAGE	Heavy Veh. 50	@ 7.00	350.00
MANIFOLD	Head. 1	@ 200.00	200.00
Light Vehi. M.	50	@ 4.00	200.00
		@	
		TOTAL	2675.00

PLUG & FLOAT EQUIPMENT

9 5/8

Float Collar	1	@ 1,089.00	1,089.00
Flapper Float shoe	1	@ 852.00	852.00
Centralizer	10	@ 75.00	750.00
Thread lock	2	@ 71	142.00
bowl clamps	2	@ 48	96.00
Top Rubber plug	1	158	158.00
		TOTAL	3,087.00

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Johnnie Whinery

SIGNATURE Johnnie Whinery

SALES TAX (If Any)
TOTAL CHARGES 22,173.63
DISCOUNT IF PAID IN 30 DAYS

NET = 17,738.90

ALLIED CEMENTING CO., LLC
Cementing & Acidizing Services

CEMENTING LOG

STAGE NO.

Date 08-21-12 District Liberal Ticket No. 53447
Company Sanchez Oil + Gas Rig
Lease Renick # 5-11H Well No. 5-1H
County Gray State Ks.
Location S.W Ingalls Ks. Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☑ Intermediate ☐ Production ☐ Liner ☐
Size 9 5/8 Type Weight 36 ## Collar

Casing Depths: Top 0 Bottom 1517 feet

Drill Pipe: Size Weight Collars
Open Hole: Size 12 1/4 T.D. ft. P.B. to ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0773 Lin. ft./Bbl. 12.93
Open Holes: Bbls/Lin. ft. Lin. ft./Bbl.
Drill Pipe: Bbls/Lin. ft. Lin. ft./Bbl.
Annulus: Bbls/Lin. ft. .0558 Lin. ft./Bbl. 17.92
Bbls/Lin. ft. Lin. ft./Bbl.
Perforations: From ft. to ft. Amt.

CEMENT DATA:
Spacer Type: H2O 10 Bbls.
Amt. 10 Sks Yield ft³/sk Density PPG

LEAD: Pump Time hrs. Type
Excess
Amt. 400 Sks Yield 1.97 ft³/sk Density 12.4 PPG
TAIL: Pump Time hrs. Type
Excess
Amt. 200 Sks Yield 1.18 ft³/sk Density 15.6 PPG
WATER: Lead 10.9 gals/sk Tail 5.2 gals/sk Total 129 Bbls.

Pump Trucks Used 531 / 541
Bulk Equip. 456 / 251
470 / 528

Float Equip: Manufacturer
Shoe: Type Float shoe Depth
Float: Type Float collar Depth
Centralizers: Quantity 10 Plugs Top 1 Btm.
Stage Collars
Special Equip. 2 limit clamp
Disp. Fluid Type H2O Amt. 114 Bbls. Weight 8.34 PPG
Mud Type Weight PPG

COMPANY REPRESENTATIVE Johnnie Wadinery CEMENTER Ruben Chavez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
~~AM~~/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
12:30						Got to location + rig up.
3:45			10	10	4	Pump 10 Bbls H2O - Spacer
3:50	300		192	182	5	Start mixing + pump cement
4:28						Drop plug + start displacement
			306	114	5	
	600					final displacement Pressure 600 PSI
4:51	1100					Bump the plug 1100 PSI
						Released pressure + Flow Hold.
						Good Job
						Thank you.

FINAL DISP. PRESS: 600 PSI BUMP PLUG TO 1100 PSI BLEEDBACK 1/2 BBLS. THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS

KB

ALLIED OIL & GAS SERVICES, LLC 052701

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
LIBERAL, KS

DATE 9-1-12	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START 3:00PM	JOB FINISH 5:00PM
LEASE RENICK	WELL # 5-1H		LOCATION SOUTHWEST OF INGALLS, KS			COUNTY GRAY	STATE KS
OLD OR ~~NEW~~ (Circle one)							

CONTRACTOR ARSO RIG 55
TYPE OF JOB 7" INTERMEDIATE
HOLE SIZE 8 3/4" T.D. 5449'
CASING SIZE 7" DEPTH 5448'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 37.5'
CEMENT LEFT IN CSG. 37.5'
PERFS.
DISPLACEMENT 207.2

OWNER

CEMENT
AMOUNT ORDERED 200sx 65/35 'A' + 6% GEL + .6% FLW60 + 1/4 #/sx FLOSEAL, 205sx 'A' + 2% GEL + 3% SALT + .6% FLW60 + .15% SMS

EQUIPMENT

PUMP TRUCK # 549-550 CEMENTER MICHAEL BARRETT
HELPER ANGEL TAPIA / CESAR PAVIA
BULK TRUCK # 472-467 DRIVER JESUS VEGA
BULK TRUCK # DRIVER

REMARKS:

THANK YOU!!!

COMMON A	205	@	16.25	3331.25
POZMIX		@		
GEL	4	@	21.25	85.00
CHLORIDE		@		
ASC		@		
LT WGHT TYPE I A	200	@	15.00	3000.00
FLOSEAL	50	@	2.70	135.00
FL160	220	@	17.20	3784.00
SODIUM METASILICATE	29	@	3.00	87.00
SALT	3	@	23.95	71.85
		@		
		@		
		@		
HANDLING	443	@	2.25	996.75
MILEAGE 19.358 × 50 ×			2.35	2274.57
			TOTAL	13765.42

SERVICE

DEPTH OF JOB 5448'				
PUMP TRUCK CHARGE	1	@	$2695.00	2695.00
EXTRA FOOTAGE		@		
MILEAGE	50	@	7.00	350.00
MANIFOLD	1	@	200.00	200.00
LT VHL MILEAGE	50	@	4.00	200.00
ADDITIONAL HOURS	10	@	400.00	4000.00
			TOTAL	7445.00

CHARGE TO: SANCHEZ OIL & GAS CORP.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

FLOAT SHOE	1	@	639.00	639.00
FLOAT COLLAR	1	@	795.00	795.00
CENTRALIZER	26	@	56.00	1456.00
TOP RUBBER PLUG 7"	1	@	85.00	85.00
		@		
			TOTAL	2975.00

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 24185.42
DISCOUNT IF PAID IN 30 DAYS
$19348.34 NET

PRINTED NAME SAMMY DOYLE
SIGNATURE Sam Doyle

ALLIED CEMENTING CO., LLC
Cementing & Acidizing Services

CEMENTING LOG

STAGE NO.

Date 9-1-12 District LIBERAL, KS Ticket No. 052701
Company SANCHEZ OIL & GAS CORP Rig
Lease RENICK Well No. 5-1H
County GRAY State KS
Location SOUTHWEST OF INGALLS, KS Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☐ Intermediate ☑ Production ☐ Liner ☐
Size 7" Type P-110 Weight 26# Collar LT&C BUTTRESS

Casing Depths: Top 0' Bottom 5448'

Drill Pipe: Size Weight Collars
Open Hole: Size 8 3/4" T.D. 5444' ft. P.B. to ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 0.0383 Lin. ft./Bbl.
Open Holes: Bbls/Lin. ft. Lin. ft./Bbl.
Drill Pipe: Bbls/Lin. ft. Lin. ft./Bbl.
Annulus: Bbls/Lin. ft. 0.0268 Lin. ft./Bbl.
Bbls/Lin. ft. Lin. ft./Bbl.

Perforations: From ft. to ft. Amt.

CEMENT DATA:
Spacer Type: FRESH WATER
Amt. Sks Yield ft³/sk Density 8.34 PPG
20 bbl SPACER

LEAD: Pump Time 6:00 hrs. Type 'A' 65/35 + 6% GEL + 0.6% FL-160 + 1/4#/sk FLOSEAL Excess 15%
Amt. 200 Sks Yield 1.73 ft³/sk Density 13.0 PPG
TAIL: Pump Time 4:05 hrs. Type 'A' + 2% GEL + 3% SALT + 0.6% FL-160 + 0.15% SMS Excess 15%
Amt. 205 Sks Yield 1.33 ft³/sk Density 15.0 PPG
WATER: Lead 9.1 gals/sk Tail 6.2 gals/sk Total 93.6 Bbls.

Pump Trucks Used 549-550
Bulk Equip. 472-467

Float Equip: Manufacturer WEATHERFORD
Shoe: Type FLOAT SHOE Depth
Float: Type Depth
Centralizers: Quantity 26 Plugs Top 1 Btm.
Stage Collars FLOAT COLLAR
Special Equip.
Disp. Fluid Type FRESH WATER Amt. 207.2 Bbls. Weight 8.34 PPG
Mud Type Weight PPG

COMPANY REPRESENTATIVE X Sam Dozl CEMENTER MICHAEL BARRETT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
11:00 PM						ON LOCATION, PREMEETING
11:30 AM						SPOT TRUCKS, RIG UP GROUND
2:00 PM						SAFETY MEETING, RIG UP FLOOR AND HEAD
2:45 PM	4500		2			LOAD AND TEST LINES TO 4500 PSI
2:50 PM	400		20			FRESH WATER SPACER
2:53 PM	450		61.62			LEAD @ 13.0 #/gal
3:00 PM	300		48.56			TAIL @ 15.0 #/gal
3:11 PM						SHUT DOWN, DROP PLUG
3:13 PM	100		207.2			FRESH WATER DISPLACEMENT
3:33 PM	200		@130			CATCH CEMENT
3:45 PM	1000		190			SLOW RATE
3:51 PM	1200		207.0			FINAL LIFT (DIFFERENTIAL) PSI
3:51 PM	1700		207.2			PLUG DOWN, HOLD 2 MINUTES
3:53 PM						CHECK FLOATS, FLOWBACK 1 BBL, HELD
4:00 PM						RIG DOWN
4:30 PM						LEAVE LOCATION

FINAL DISP. PRESS: 1200 PSI BUMP PLUG TO 1700 PSI BLEEDBACK 1 BBLS. THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS

Corrections

ALLIED OIL & GAS SERVICES, LLC ~~052901~~ # 52661

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

DATE 9/11/12	SEC. 5	TWP. 26	RANGE 29	CALLED OUT	ON LOCATION	JOB START 16:20	JOB FINISH 3:50
LEASE Benick	WELL # 5-1H		LOCATION S.W. Ingalls KS.			COUNTY Gray	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Keenia Rig #55
TYPE OF JOB Production Liner
HOLE SIZE 6 1/8 T.D. 10,549
CASING SIZE 4 1/2 11.6# DEPTH 10,539
TUBING SIZE DEPTH
DRILL PIPE 4" 7H 14# DEPTH 5,144
TOOL DEPTH
PRES. MAX 5,000 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 137

OWNER

CEMENT
AMOUNT ORDERED 50/50 H 470sk
60/40 A 50 sk

EQUIPMENT

Pump Truck #549-550
PUMP TRUCK CEMENTER Tim Chandler, Stephen Hanza
457-541 HELPER Cesar Rivas ← Ruben Chavez
BULK TRUCK
467-472 DRIVER Vicente Torres ← two - Edi Coronado
BULK TRUCK
456-251 DRIVER Ricardo Estrada

COMMON	Class A 30 sks	@ 16.25	487.50
POZMIX	255 sks	@ 8.50	2167.50
GEL	11 sks	@ 21.25	233.75
CHLORIDE		@	
ASC		@	
Class H Premium	235 sk	@ 19.25	4523.75
FL 160	237 lb	@ 17.20	4076.40
CD 31	391 lb	@ 9.35	364.65
Salt	12 sks	@ 23.25	279.00
Allied Spacer	40 BBL	@ 94.50	3780.00
		@	
		@	
		@	
HANDLING	503	@ 2.25	1143.00
~~MILEAGE~~ Drayage	1045.01 e 235		2455.77
		TOTAL	19511.32

REMARKS:

SERVICE

DEPTH OF JOB 10,549
PUMP TRUCK CHARGE 4950.00
EXTRA ~~FOOTAGE~~ Pump Truck @ 1975.00
MILEAGE @
MANIFOLD Swage 4" 1 @ 140.00 140.00
Light Vehicle, 50 @ 4.00 200.00
Heavy Vehicle, 100 @ 7.00 700.00
Additional Hours 7-charge 4 400 1600.
TOTAL 9565.0

Wrong Pricing on First Ticket!

CHARGE TO: Sanchez Oil & Gas
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

N/A @

TOTAL

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 29076.32
DISCOUNT 20% IF PAID IN 30 DAYS

PRINTED NAME

SIGNATURE

Net = 23261.06

on original ticket →

ALLIED
CEMENTING CO., LLC
Cementing & Acidizing Services

CEMENTING LOG

STAGE NO.

Date 9/11/12 District Liberal Ticket No. 52661
Company Sanchez Rig Keenai 55
Lease Renick Well No. 5-14
County Grey State Kansas
Location Ingalls, Kansas Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☐ Intermediate ☐ Production ☐ Liner ☑
Size 4 1/2 Type _____ Weight 11.6 Collar _____

Casing Depths: Top 5,144 Bottom 10,539

Drill Pipe: Size 4" Weight 14# Collars _____
Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0155 Lin. ft./Bbl. _____
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. .01084 Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. .0145 Lin. ft./Bbl. _____
Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
Spacer Type: weighted Spacer
Amt. 40BBLS Sks Yield _____ ft³/sk Density 9 PPG

LEAD: Pump Time _____ hrs. Type 50/50 H
Excess 20%
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
TAIL: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
WATER: Lead 6.24 gals/sk Tail _____ gals/sk Total 70 Bbls.

Pump Trucks Used 549-550, 457-541
Bulk Equip. 456-251, 472-467

Float Equip: Manufacturer _____
Shoe: Type _____ Depth _____
Float: Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Johnnie Whitner CEMENTER Tim C, Stephen H

TIME AM/PM	PRESSURES PSI DRILL PIPE CASING	ANNULUS	FLUID PUMPED DATA TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	REMARKS
14:30						Arrive on Location
14:45						Safety meeting spot! Rig up Equipment
16:10						Pre job safety Meeting
16:20	5,000					Test Lines
16:29					2.5	Pump ball down @ [redacted]
17:19	1,800					Landed ball pressure up to 1,800psi.
17:34	3,000		133			pressure ball up to 3,000psi ball released
17:40	700		40		4.5	Allied Spacer @ 9 ppg
17:53	600		113		5	Cement @ 14 ppg
18:11						Wash pit. Drop Top Plug
18:20	450		130		6, 2.5	Disp w/KCL water. Latched up @ 18 bbl 330 psi to sheer.
18:51	1,450				2.5	Bump Plug. Held for 3 min bled off ½ bbl Return,
18:59	1,000					Pressure up on backside. Held 2 min.
19:02						Sting out of Liner
19:04						Reverse Circulate well. Cement Returns @ 45 BBLS @ 80 BBLS Clean Water. pumped 100 BBLS Shut down.
3:30 Am						Mix + pump 50 sks cement to plug rat hole + mouse hole.
3:50						Wash up pump
4:00						Start rigging down.
						Job finish.
						Thank you.

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLS. THANK YOU

MILLER PRINTERS, INC - Great Bend, KS