

**ORIGINAL**



KANSAS CORPORATION COMMISSION 1106998  
OIL & GAS CONSERVATION DIVISION

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    Date Reached TD    Completion Date or  
Recompletion Date       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 *Denied*  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 01/16/2013



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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Gamma Ray- MWD	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Attached Top Attached Datum Attached
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CASING RECORD <input checked="" 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
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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	-			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	-			

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
6	5503 MD - 10495 MD	Perf W 2.75 Gun	
	5503 MD - 10495MD	Frac W 103195 bblsfluid & 1652490 lbs proppant	

TUBING RECORD: Size: <u>3.5</u> Set At: <u>4890</u> Packer At: <u>0</u> Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR: <u>12/14/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>27</u> Gas Mcf <u>216</u> Water Bbls. <u>4008</u> Gas-Oil Ratio <u>8</u> Gravity <u>28</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>5503=10495</u>
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Form	ACO1 - Well Completion
Operator	Sanchez Oil & Gas Corporation
Well Name	Renick 5-1H
Doc ID	1106998

Tops

Name	Top	Unit
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. 207B  
Wichita, KS 67202-3802



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

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: 281-934-8800  
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:

<u>Name &amp; Title Of Surveyor</u>	<u>Wellhole Number</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
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: 281-834-8600  
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 it conforms to the principles and procedures as set forth by Archer Directional Drilling Services.



\_\_\_\_\_  
Martin Campbell  
MWD Coordinator



Company: Sanchez Oil & Gas Corporation Job Number: HL 12242  
 Well: Renick #5-1H Mag Decl.: 7.36  
 Location: Gray County, Kansas Dir Driller: Jimbo Swan  
 Rig: Kenal 55 MWD Eng: C Anderson, D Trevino

Calculation Method Minimum Curvature  
 Proposed Azimuth 0.9  
 Depth Reference KBG  
 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		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
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



Company: Sanchez Oil & Gas Corporation Job Number: HL 12242  
 Well: Renick #5-1H Mag Decl.: 7.36  
 Location: Gray County, Kansas Dir Driller: Jimbo Swan  
 Rig: Kenai 55 MWD Eng: C Anderson, D Trevino

Calculation Method Minimum Curvature  
 Proposed Azimuth 0.9  
 Depth Reference KBG  
 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		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
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	3.08 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





Company: Sanchez Oil & Gas Corporation  
 Well: Renick #5-1H  
 Location: Gray County, Kansas  
 Rig: Kenai 55  
 Job Date: 08/21/12 - 09/10/12

Job Number: HL 12242  
 Mag Decl.: 7.36  
 Dir Driller: Jimbo Swan  
 MWD Eng: C Anderson, D Trevino

Calculation Method: Minimum Curvature  
 Proposed Azimuth: 0.9  
 Depth Reference: KBG  
 Tie Into: Gyro Survey

Survey Number	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)	Direction Azimuth			
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	359.98	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	2974.89 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	3067.98 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	4958.14	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



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  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

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

# ALLIED OIL & GAS SERVICES, LLC KB 053447

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberal Ks.

DATE <u>08-21-12</u>	SEC. <u>5</u>	TWP. <u>26</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>4:50</u>	JOB FINISH <u>5:00</u>
REVIK LEASE		WELL# <u>5-11</u>		LOCATION <u>S. Ingalls Ks</u>		COUNTY <u>Gray</u>	STATE <u>Ks</u>
OLD OR (NEW) (Circle one)							

CONTRACTOR <u>Kevin Lig</u>	OWNER
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>1515 feet</u>
CASING SIZE <u>9 5/8 36 FT</u>	DEPTH <u>1517 feet</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1100 PSI</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>42'</u>	
PERFS.	
DISPLACEMENT <u>114 BBLS H<sub>2</sub>O</u>	

EQUIPMENT	CEMENT
PUMP TRUCK CEMENTER <u>Ruben Chavez</u>	AMOUNT ORDERED <u>400sk 65/35-67.6cl 37c</u>
# <u>531/541</u> HELPER <u>Cesar Pavia</u>	<u>1/4 ES/5K 200sk "A" 2% cc, 1/4 ES/5K</u>
BULK TRUCK	<u>30sk 60/40 49.6cl.</u>
# <u>456/251</u> DRIVER <u>TWA - Eddy</u>	COMMON <u>200sk "A" @ 16.25</u> <u>3,250.00</u>
BULK TRUCK	POZMIX @
# <u>470/528</u> DRIVER <u>Ricardo Estrada</u>	GEL @
	CHLORIDE <u>18 @ 38.20</u> <u>1,047.60</u>
	ASC @
	ALC2A <u>400sk @ 15.00</u> <u>6,000.00</u>
	FLSI - Flo Seal <u>150# @ 9.70</u> <u>1,455.00</u>
	ALCIA <u>50 @ 14.50</u> <u>725.00</u>
	HANDLING <u>720.6 ft @ 2.25</u> <u>1,620.00</u>
	MILEAGE <u>1431.50 ton M @ 2.35</u> <u>3,364.63</u>
	TOTAL <u>16,411.63</u>

REMARKS:  
Plug cement rat hole with 50sk 60/40 4% gel on water displaced well # - 5-1517 Revik  
\* Mix + pump 600sk cement and displaced with 114 BBLS H<sub>2</sub>O, 25 BBLS slurry circulate to pt. Pump Plug at 1100 PSI. 1/2 BBLS Bleed back Flow hold.  
Thank you

CHARGE TO: Sandez Oil & Gas  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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

SERVICE	
DEPTH OF JOB	<u>1515 feet</u>
PUMP TRUCK CHARGE	<u>1,925.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>heavy V. 50 @ 7.00</u>	<u>350.00</u>
MANIFOLD + Head. <u>1 @ 2.00</u>	<u>200.00</u>
Light Vehi. <u>M. 50 @ 4.00</u>	<u>200.00</u>
	TOTAL <u>2,675.00</u>

PLUG & FLOAT EQUIPMENT			
	<u>9 5/8</u>		
Float Collar	<u>1</u>	<u>@ 1,084.00</u>	<u>1,084.00</u>
Flipper Float shoe	<u>1</u>	<u>@ 852.00</u>	<u>852.00</u>
Centralizer	<u>10</u>	<u>@ 75.00</u>	<u>750.00</u>
Thread locks	<u>2</u>	<u>@ 71.00</u>	<u>142.00</u>
limit clamps	<u>2</u>	<u>@ 48.00</u>	<u>96.00</u>
Top Rubber plug	<u>1</u>	<u>158</u>	<u>158.00</u>
			TOTAL <u>3,087.00</u>

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES 22,173.63  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
NET = 17,738.90



# CEMENTING LOG

STAGE NO.

Date 08-21-12 District Liberal Ticket No. 53447  
 Company Sanchez Oil + Gas Rig \_\_\_\_\_  
 Lease Renick #5-114 Well No. 5-1H  
 County Gray State KS  
 Location S.W 1/4 galls ks Field \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: H<sub>2</sub>O 10 Bbls.  
 Amt. 10 Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. 400 Skys Yield 1.97 ft<sup>3</sup>/sk Density 12.4 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

Amt. 200 Skys Yield 1.18 ft<sup>3</sup>/sk Density 13.6 PPG

WATER: Lead 10.9 gals/sk Tail 5.2 gals/sk Total 12.9 Bbls.

Pump Trucks Used 531/541

Bulk Equip. 456/251  
470/528

Float Equip: Manufacturer \_\_\_\_\_

Shoe: Type Flout shoe Depth \_\_\_\_\_

Float: Type Flout collar Depth \_\_\_\_\_

Centralizers: Quantity 10 Plugs Top 1 Btm. \_\_\_\_\_

Stage Collars \_\_\_\_\_

Special Equip. 2 limit clamp

Disp. Fluid Type H<sub>2</sub>O Amt. 114 Bbls. Weight 8.34 PPG

Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

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. 0.773 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. 0.558 Lin. ft./Bbl. 17.92

Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE Johnnie W. Diner

CEMENTER Ruben Chavez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	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 H <sub>2</sub> O - Spacer
3:50	300		192	182	5	Start mixing + pump cement
4:28			306	114	5	Drop plug + start displacement
4:51	600 1100					final displacement Pressure 600 PSI 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

# 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	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9-1-12						3:00pm	5:00pm
LEASE <i>Remile</i>		WELL # <i>5-1H</i>		LOCATION <i>Southwest of Inwell, KS</i>		COUNTY	STATE
						<i>GRAY</i>	<i>KS</i>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *ARTO R1055*

TYPE OF JOB *7" INTERMEDIATE*

HOLE SIZE	<i>8 3/4"</i>	T.D.	<i>5444'</i>
CASING SIZE	<i>7"</i>	DEPTH	<i>5448'</i>
TUBING SIZE		DEPTH	
DRILL PIPE		DEPTH	
TOOL		DEPTH	
PRES. MAX		MINIMUM	
MEAS. LINE		SHOE JOINT	<i>37.5'</i>
CEMENT LEFT IN CSG.	<i>37.5'</i>		
PERFS.			
DISPLACEMENT	<i>207.2</i>		

EQUIPMENT

PUMP TRUCK	CEMENTER <i>Alexander Hancock</i>
# <i>549-550</i>	HELPER <i>Angel Torres / Cesar Pina</i>
BULK TRUCK	
# <i>472-467</i>	DRIVER <i>Jesús Vela</i>
BULK TRUCK	
#	DRIVER

REMARKS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*THANK YOU!!!*

CHARGE TO: *Sanchez Oil & Gas Corp.*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 *Sammy Doyle*

SIGNATURE *Sam Doyle*

OWNER

CEMENT

AMOUNT ORDERED *200lb 65/35'A' + 6% GEL + 15% FLOPS + 1/4 #/ft FLOPSAL, 205lb 'A' + 2% GEL + 3% SALT + 6% FLOPS + 15% SWS*

COMMON A	<i>205</i>	@	<i>16.25</i>	<i>3331.25</i>
POZMIX		@		
GEL	<i>4</i>	@	<i>21.25</i>	<i>85.00</i>
CHLORIDE		@		
ASC		@		
LT Wt Cont Type 1A	<i>200</i>	@	<i>15.00</i>	<i>3000.00</i>
FLOPSAL	<i>50</i>	@	<i>2.70</i>	<i>135.00</i>
FULLCO	<i>220</i>	@	<i>17.20</i>	<i>3784.00</i>
Sodium Metasilicate	<i>29</i>	@	<i>3.00</i>	<i>87.00</i>
SALT	<i>3</i>	@	<i>23.95</i>	<i>71.85</i>
		@		
		@		
HANDLING	<i>443</i>	@	<i>2.25</i>	<i>996.75</i>
MILEAGE	<i>19.358 x 50 x</i>		<i>2.35</i>	<i>2274.57</i>
TOTAL				<i>13765.42</i>

SERVICE

DEPTH OF JOB	<i>5448'</i>			
PUMP TRUCK CHARGE	<i>1</i>	@	<i>2695.00</i>	<i>2695.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>50</i>	@	<i>7.00</i>	<i>350.00</i>
MANIFOLD	<i>1</i>	@	<i>200.00</i>	<i>200.00</i>
LT VHL Mileage	<i>50</i>	@	<i>4.00</i>	<i>200.00</i>
ADDITIONAL Hours	<i>10</i>	@	<i>400.00</i>	<i>4000.00</i>
TOTAL				<i>7445.00</i>

PLUG & FLOAT EQUIPMENT

FRONT SHOE	<i>1</i>	@	<i>639.00</i>	<i>639.00</i>
FRONT COLLAR	<i>1</i>	@	<i>795.00</i>	<i>795.00</i>
CENTRALIZER	<i>26</i>	@	<i>56.00</i>	<i>1456.00</i>
TOP RUBBER PLUG 7"	<i>1</i>	@	<i>85.00</i>	<i>85.00</i>
		@		
TOTAL				<i>2975.00</i>

SALES TAX (If Any): \_\_\_\_\_

TOTAL CHARGES *24185.42*

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

*\$19348.34 NET*



# CEMENTING LOG

STAGE NO.

Date 9-1-12 District LIBERAL, KS Ticket No. 052701  
 Company SANCHEZ OIL & GAS CORP Rig \_\_\_\_\_  
 Lease RENIUK Well No. 5-1H  
 County CRAY State KS  
 Location SOUTHWEST OF INGLIS, KS Field \_\_\_\_\_

CEMENT DATA:

Spacer Type: FRESH WATER  
 Amt. \_\_\_\_\_ Skis Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 8.24 PPG  
20 bbl SPACER

LEAD: Pump Time 6:00 hrs. Type 'A' 65/35 + 6% GEL +  
0.6% F-160 + 1/4#/# FLOIBAL Excess 15%

Amt. 200 Skis Yield 1.73 ft<sup>3</sup>/sk Density 13.0 PPG

TAIL: Pump Time 4:05 hrs. Type 'A' + 2% GEL +  
3% SALT + 0.6% F-160 + 0.15% S.M.S Excess 15%

Amt. 205 Skis Yield 1.33 ft<sup>3</sup>/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

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

Casing Depths: Top 0' Bottom 544'

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 8 3/4" T.D. 544' 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. \_\_\_\_\_

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 Dozyl

CEMENTER Michael Barrett

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
11:00 PM						ON LOCATION, PRE MEETING
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 TAIL 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		2130			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 FLOORS, FLOWBACK 1 BBL, HOLD
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. - OMAHA, KS

Correction

# ALLIED OIL & GAS SERVICES, LLC

~~952901~~  
# 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 Heenia Pig #55  
 TYPE OF JOB Production Lifter  
 HOLE SIZE 6 7/8 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 470 sk  
60/40 A 50 sk

EQUIPMENT  
 Pump Truck # 549-550  
 PUMP TRUCK CEMENTER Tim Chandler, Stephen  
 # 457-541 HELPER Coar Ruvia  
 BULK TRUCK Huben Chavez  
 # 467-472 DRIVER Vicente Torres  
 BULK TRUCK FWS - Edi Coronado  
 # 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 135 sks @ 19.25 4523.75  
 FL 160 237 lb @ 17.20 4076.40  
 CD 31 39 lb @ 9.85 304.65  
 Salt 12 sks @ 23.25 279.00  
 Alldeal Spacer 4088L @ 94.50 3780.00  
 HANDLING 508 @ 2.25 1143.00  
 MILEAGE Drayage 1045.01 @ 2.35 2455.77  
 TOTAL 19511.32

REMARKS:

### SERVICE

DEPTH OF JOB 10,549  
 PUMP TRUCK CHARGE 4950.00  
 EXTRA FOOTAGE 1975.00  
 MILEAGE @ \_\_\_\_\_  
 MANIFOLD Surge 4" 1 @ 140.00 140.00  
Light Vehicle 50 @ 4.00 200.00  
Heavy Vehicle 100 @ 7.00 700.00  
 Additional Hours 7-chrg 4x400 1600.  
 TOTAL 9565.00

### PLUG & FLOAT EQUIPMENT

W/A @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL 0

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

Net = 23261.06

CHARGE TO: Sanchez Oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 \_\_\_\_\_

SIGNATURE \_\_\_\_\_

on original ticket →

Wrong Pricing on First Ticket!





# CEMENTING LOG

STAGE NO.

Date 9/11/12 District Liberal Ticket No. 52661  
 Company Sanchee Rig Keana 55  
 Lease Renick Well No. 5-1H  
 County Grey State Kansas  
 Location Ingalls, Kansas Field \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: weighted Spacer  
 Amt. 40BBLs Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 9 PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 50/50H  
 Excess 20%

Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_

Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/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

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. \_\_\_\_\_

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 Whiner

CEMENTER Tim C, Stephen H

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
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 @ <del>900</del>
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 pi L, Drop Top Plug
18:20		450		130	6.2.5	Disp w/ kcl water. Latched up @ 4x bbl 330 psi to shear
18:51		1,450			2.5	Bump Plug. Held for 3 min bled off 1/2 bbl
18:59		1,000				Pressure up on back side. Held 2 min. <span style="float: right;">Return,</span>
19:02						String out of liner
19:04						Reverse Circulate well. Cement Returns @ 45 BBLs @ 80 BBLs Clean Water, pumped 100 BBLs shutdown.
3:30A.m						Mix + pump 50 sks cement to plug rat hole + mouse ball.
3:50						Wash up pump
4:10						Start rigging down.
						Job finish
						Thank you.

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU