



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1221253
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: _____

1221253

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> _____

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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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bobek 3404 3-21H
Doc ID	1221253

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	4822-4824	Kiel Slickwater Frac	4822-8561
5	4918-4920		
5	5026-5028		
5	5278-5280		
5	5381-5383		
5	5430-5432		
5	5502-5504		
5	5599-5601		
5	5690-5692		
5	5761-5763		
5	5846-5848		
5	5914-5916		
5	5978-5980		
5	6066-6068		
5	6166-6168		
5	6257-6259		
5	6360-6362		
5	6436-6438		
5	6513-6515		
5	6596-6598		
5	6700-6702		
5	6795-6797		
5	6850-6852		
5	6928-6930		

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7018-7020		
5	7097-7099		
5	7191-7193		
5	7474-7276		
5	7388-7390		
5	7467-7469		
5	7557-7559		
5	7670-7672		
5	7746-7748		
5	7801-7803		
5	7858-7860		
5	7914-7916		
5	8000-8002		
5	8100-8102		
5	8194-8196		
5	8249-8251		
5	8364-8366		
5	8492-8494		
5	8559-8561		

Sandridge

Location Kansas
 Installation Summer County
 Field Sec 16 - 34S - 04W Well Bobek 3404 3-21H

Installation Data

Name	Latitude	Longitude	Northing	Easting
Summer County	N37 4 55.21	W97 44 50.76	152118.00	2219550.00
Coordinate System	Kansas State Planes, Southern Zone			

Slot Data

Name	North [ft]	East [ft]	Longitude	Northing	Easting
Bobek 3404 3-21H	188.99 N	-1669.54 E	W97 45 8.87	152307.00	2218060.40

Elevation Data

Slot - Mean Sea Level [ft]	Slot - Mudline/Ground level [ft]
1246.00	-1228.00
	18.00

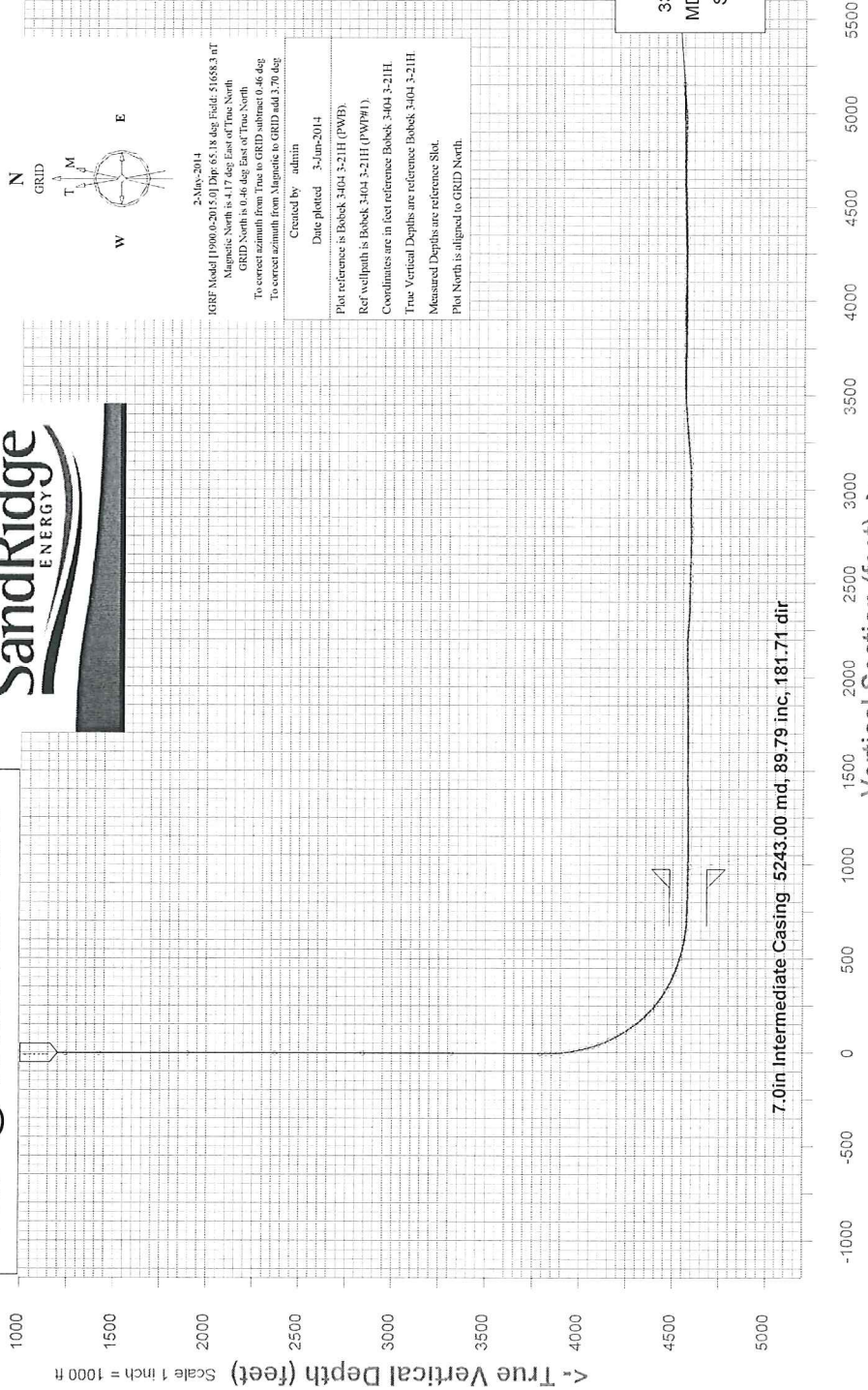
Target Line: 05-02-14
 TGT: 4585' KBTVD @ 0' VS
 90.0° @ 181.05 AZI Plane

WELL PROFILE DATA

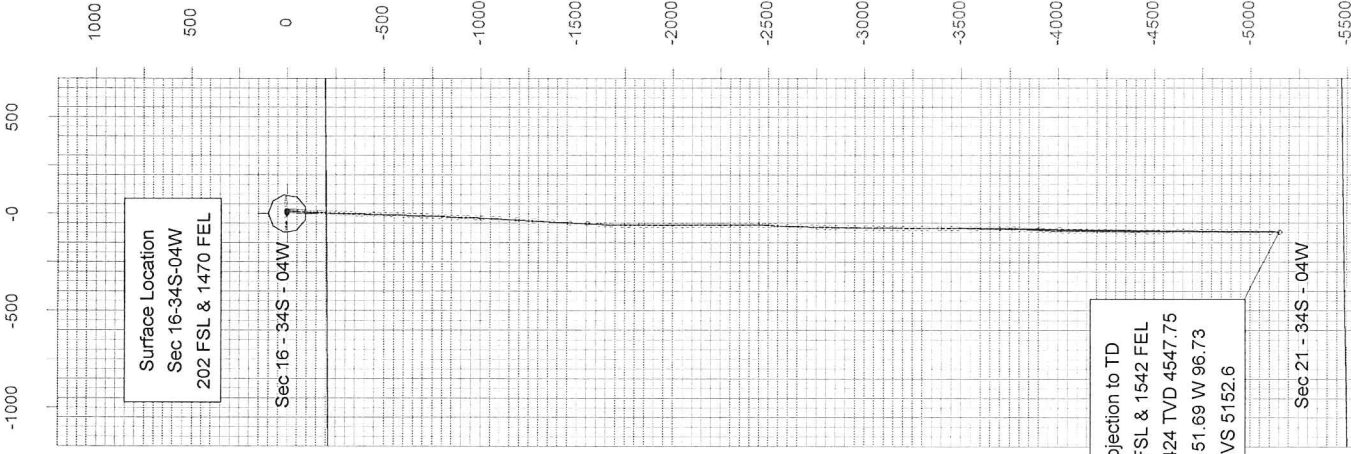
Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	7755.00	92.00	179.40	4561.31	-3484.09	-76.43	0.00	3484.90
End of Drop/Turn	7965.45	88.00	180.71	4561.31	-3694.49	-76.64	2.00	3695.27
End of Hold	8040.00	88.00	180.71	4563.91	-3766.99	-77.56	0.00	3769.78
End of Build	8180.00	90.80	180.71	4565.38	-3906.95	-79.29	2.00	3909.75
KOP	8280.00	90.80	180.72	4563.98	-4006.94	-80.54	0.01	4009.74
T.D. & Target PBHL Bobe	9425.66	90.80	180.72	4548.00	-5154.40	-94.90	0.00	5155.27

TARGET DATA

MD	Inc	Azi	TVD	North	East	Name	Position
9425.66	90.80	180.72	4548.00	-5154.40	-94.90	PBHL Bobek 3404 3-21H	2217985.50 East : 147152.40 North



East (feet) ->
 Scale 1 inch = 1000 ft



Surface Location
 Sec 16-34S-04W
 202 FSL & 1470 FEL

Sec 16 - 34S - 04W

Projection to TD
 333 FSL & 1542 FEL
 MD 9424 TVD 4547.75
 S 5151.69 W 96.73
 VS 5152.6

Sec 21 - 34S - 04W

North(feet) Scale 1 inch = 1000 ft

True Vertical Depth (feet) Scale 1 inch = 1000 ft

Vertical Section (feet) ->

Azimuth 181.05 with reference 0.00 N, 0.00 E from Bobek 3404 3-21H

Scale 1 inch = 1000 ft

2-May-2014
 IGRF Model [1990.0-2015.0] Dip: 65.18 deg Field: 51658.3 nT
 Magnetic North is 4.17 deg East of True North
 GRID North is 0.46 deg East of True North
 To correct azimuth from True to GRID subtract 0.46 deg
 To correct azimuth from Magnetic to GRID add 3.70 deg
 Created by admin
 Date plotted 3-Jun-2014
 Plot reference is Bobek 3404 3-21H (PWPH).
 Ref wellpath is Bobek 3404 3-21H (PWPH1).
 Coordinates are in feet reference Bobek 3404 3-21H
 True Vertical Depths are reference Bobek 3404 3-21H
 Measured Depths are reference Slot
 Plot North is aligned to GRID North.



Survey Report

DRT Job # : DR1405099

Company: Sandridge
 Well Name: Bobek 3404 3-21H
 Legals: Sec. 16 Township: 34S
 Range: 04W
 County/State: Sumner KS
 Rig Name: Unit 9

Customer Rep Position

John Sartori
 Bill Wright
 Brian Atkins

Directional Driller

MWD Operator

Jerry Wilkins

Bobek 3404 3-21H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
TriInPoint	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
Survey	598.00	0.60	58.30	597.99	1.65	2.66	-1.70	0.10	0.10	9.75	58.19	3.13
Survey	781.00	0.20	30.90	780.98	2.42	3.64	-2.49	0.24	0.22	14.97	56.38	4.37
Survey	1240.00	0.20	55.30	1239.98	3.57	4.71	-3.66	0.02	0.00	5.32	52.84	5.91
Survey	1423.00	0.60	95.10	1422.98	3.66	5.93	-3.77	0.25	0.22	21.75	58.32	6.97
Survey	1897.00	0.10	165.60	1896.97	3.04	8.50	-3.20	0.12	0.11	14.92	70.32	9.03
Survey	2370.00	0.20	79.10	2369.97	2.80	9.42	-2.97	0.05	0.02	18.33	73.45	9.83
Survey	2843.00	0.70	92.20	2842.95	2.84	13.11	-3.08	0.11	0.11	2.77	77.78	13.41
Survey	3317.00	0.20	0.40	3316.94	3.56	16.01	-3.85	0.15	0.11	19.37	77.46	16.40
Survey	3790.00	0.40	316.40	3789.93	5.58	14.88	-5.85	0.06	0.04	9.30	69.44	15.89
Survey	3822.00	0.10	254.10	3821.93	5.65	14.78	-5.92	1.14	0.94	194.69	69.08	15.82
Survey	3853.00	2.10	195.50	3852.92	5.10	14.60	-5.37	6.61	6.45	189.03	70.74	15.47
Survey	3885.00	4.70	187.90	3884.87	3.23	14.26	-3.49	8.23	8.13	23.75	77.24	14.62
Survey	3916.00	7.00	183.80	3915.70	0.09	13.96	-0.35	7.54	7.42	13.23	89.63	13.96
Survey	3948.00	9.00	182.20	3947.39	-4.36	13.74	4.11	6.29	6.25	5.00	107.61	14.42
Survey	3980.00	10.80	182.30	3978.91	-9.85	13.52	9.60	5.63	5.63	0.31	126.08	16.73
Survey	4011.00	13.20	181.10	4009.23	-16.30	13.33	16.05	7.78	7.74	3.87	140.72	21.06
Survey	4043.00	15.50	181.00	4040.23	-24.22	13.19	23.97	7.19	7.19	0.31	151.43	27.58
Survey	4074.00	17.50	183.60	4069.95	-33.02	12.83	32.78	6.88	6.45	8.39	158.77	35.42
Survey	4106.00	19.50	182.80	4100.30	-43.16	12.26	42.93	6.30	6.25	2.50	164.14	44.87
Survey	4137.00	22.00	182.50	4129.29	-54.13	11.76	53.91	8.07	8.06	0.97	167.74	55.39
Survey	4169.00	24.10	183.10	4158.73	-66.64	11.14	66.42	6.60	6.56	1.87	170.51	67.56
Survey	4200.00	26.80	183.30	4186.72	-79.94	10.40	79.74	8.71	8.71	0.65	172.59	80.61
Survey	4232.00	29.40	183.50	4214.94	-94.98	9.50	94.79	8.13	8.12	0.62	174.29	95.45
Survey	4264.00	32.00	183.40	4242.46	-111.29	8.52	111.12	8.13	8.13	0.31	175.62	111.62
Survey	4295.00	34.80	182.50	4268.33	-128.33	7.65	128.17	9.17	9.03	2.90	176.59	128.56
Survey	4327.00	36.70	181.20	4294.30	-147.01	7.05	146.86	6.39	5.94	4.06	177.25	147.18
Survey	4358.00	39.00	181.60	4318.78	-166.03	6.58	165.88	7.46	7.42	1.29	177.73	166.16
Survey	4390.00	42.00	181.90	4343.11	-186.80	5.94	186.66	9.39	9.38	0.94	178.18	186.89
Survey	4422.00	45.20	182.20	4366.28	-208.85	5.15	208.72	10.02	10.00	0.94	178.59	208.91
Survey	4453.00	48.30	183.00	4387.52	-231.40	4.13	231.29	10.17	10.00	2.58	178.98	231.44
Survey	4485.00	50.60	183.30	4408.32	-255.68	2.79	255.59	7.22	7.19	0.94	179.37	255.70
Survey	4516.00	52.80	183.20	4427.53	-279.97	1.41	279.90	7.10	7.10	0.32	179.71	279.97
Survey	4548.00	55.00	182.50	4446.39	-305.79	0.13	305.74	7.10	6.88	2.19	179.98	305.79
Survey	4579.00	58.50	181.80	4463.38	-331.69	-0.84	331.65	11.45	11.29	2.26	180.15	331.69
Survey	4611.00	61.70	181.20	4479.33	-359.42	-1.57	359.39	10.13	10.00	1.88	180.25	359.42
Survey	4643.00	63.90	181.40	4493.96	-387.87	-2.21	387.85	6.90	6.87	0.63	180.33	387.88
Survey	4675.00	66.40	181.40	4507.40	-416.90	-2.92	416.88	7.81	7.81	0.00	180.40	416.91
Survey	4706.00	68.90	181.20	4519.19	-445.56	-3.57	445.55	8.09	8.06	0.65	180.46	445.57
Survey	4738.00	71.20	181.20	4530.11	-475.63	-4.20	475.63	7.19	7.19	0.00	180.51	475.65
Survey	4770.00	73.00	181.40	4539.94	-506.07	-4.89	506.07	5.66	5.63	0.63	180.55	506.09
Survey	4801.00	75.10	181.70	4548.46	-535.87	-5.70	535.88	6.84	6.77	0.97	180.61	535.90

Bobek 3404 3-21H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	4833.00	77.20	181.40	4556.12	-566.92	-6.54	566.94	6.63	6.56	0.94	180.66	566.96
Survey	4865.00	79.10	182.00	4562.69	-598.22	-7.47	598.26	6.21	5.94	1.87	180.72	598.27
Survey	4896.00	81.20	182.20	4568.00	-628.75	-8.59	628.80	6.80	6.77	0.65	180.78	628.81
Survey	4927.00	84.00	182.60	4571.99	-659.46	-9.88	659.53	9.12	9.03	1.29	180.86	659.53
Survey	4959.00	86.50	182.40	4574.64	-691.31	-11.27	691.40	7.84	7.81	0.62	180.93	691.40
Survey	4991.00	87.60	182.60	4576.28	-723.24	-12.66	723.35	3.49	3.44	0.62	181.00	723.35
Survey	5022.00	88.00	182.50	4577.47	-754.19	-14.04	754.32	1.33	1.29	0.32	181.07	754.32
Survey	5054.00	88.60	182.60	4578.42	-786.14	-15.46	786.29	1.90	1.87	0.31	181.13	786.29
Survey	5086.00	88.30	182.20	4579.29	-818.10	-16.80	818.27	1.56	0.94	1.25	181.18	818.27
Survey	5118.00	88.50	182.30	4580.18	-850.06	-18.06	850.25	0.70	0.63	0.31	181.22	850.25
Survey	5149.00	88.80	182.10	4580.91	-881.03	-19.25	881.23	1.16	0.97	0.65	181.25	881.24
Survey	5181.00	89.20	182.10	4581.47	-913.01	-20.42	913.23	1.25	1.25	0.00	181.28	913.24
Survey	5203.00	89.60	182.10	4581.70	-934.99	-21.23	935.22	1.82	1.82	0.00	181.30	935.23
Survey	5242.00	89.80	181.70	4581.91	-973.97	-22.52	974.22	1.15	0.51	1.03	181.32	974.23
Survey	5273.00	89.60	181.90	4582.07	-1004.95	-23.49	1005.21	0.91	0.65	0.65	181.34	1005.22
Survey	5335.00	89.30	181.80	4582.66	-1066.92	-25.49	1067.21	0.51	0.48	0.16	181.37	1067.22
Survey	5366.00	89.30	182.10	4583.04	-1097.90	-26.55	1098.20	0.97	0.00	0.97	181.39	1098.22
Survey	5457.00	90.20	183.00	4583.44	-1188.80	-30.60	1189.16	1.40	0.99	0.99	181.47	1189.19
Survey	5549.00	92.10	184.50	4581.59	-1280.58	-36.61	1281.04	2.63	2.07	1.63	181.64	1281.10
Survey	5641.00	91.90	184.10	4578.38	-1372.27	-43.51	1372.84	0.49	0.22	0.43	181.82	1372.96
Survey	5732.00	89.50	182.00	4577.27	-1463.12	-48.35	1463.76	3.50	2.64	2.31	181.89	1463.92
Survey	5826.00	90.70	182.40	4577.11	-1557.05	-51.96	1557.74	1.35	1.28	0.43	181.91	1557.92
Survey	5886.00	89.50	183.40	4577.00	-1616.97	-54.99	1617.71	2.60	2.00	1.67	181.95	1617.90
Survey	5916.00	89.50	182.80	4577.26	-1646.92	-56.61	1647.68	2.00	0.00	2.00	181.97	1647.89
Survey	5947.00	89.50	182.50	4577.53	-1677.89	-58.05	1678.67	0.97	0.00	0.97	181.98	1678.89
Survey	6008.00	92.10	181.10	4576.68	-1738.85	-59.96	1739.66	4.84	4.26	2.30	181.97	1739.88
Survey	6038.00	91.30	180.20	4575.79	-1768.83	-60.30	1769.64	4.01	2.67	3.00	181.95	1769.86
Survey	6100.00	88.30	179.30	4576.01	-1830.82	-60.03	1831.61	5.05	4.84	1.45	181.88	1831.80
Survey	6131.00	89.90	179.40	4576.50	-1861.82	-59.68	1862.60	5.17	5.16	0.32	181.84	1862.78
Survey	6161.00	92.40	180.00	4575.89	-1891.81	-59.52	1892.58	8.57	8.33	2.00	181.80	1892.75
Survey	6192.00	89.90	180.90	4575.27	-1922.80	-59.77	1923.57	8.57	8.06	2.90	181.78	1923.73
Survey	6223.00	90.30	180.90	4575.22	-1953.79	-60.25	1954.57	1.29	1.29	0.00	181.77	1954.72
Survey	6254.00	90.90	180.30	4574.89	-1984.79	-60.58	1985.57	2.74	1.94	1.94	181.75	1985.71
Survey	6285.00	90.10	180.00	4574.62	-2015.79	-60.66	2016.56	2.76	2.58	0.97	181.72	2016.70
Survey	6316.00	90.40	179.60	4574.49	-2046.79	-60.55	2047.56	1.61	0.97	1.29	181.69	2047.69
Survey	6346.00	89.80	179.50	4574.43	-2076.79	-60.32	2077.55	2.03	2.00	0.33	181.66	2077.67
Survey	6376.00	89.70	179.70	4574.57	-2106.79	-60.11	2107.54	0.75	0.33	0.67	181.63	2107.65
Survey	6407.00	89.50	179.50	4574.78	-2137.78	-59.89	2138.52	0.91	0.65	0.65	181.60	2138.62
Survey	6437.00	90.80	179.60	4574.70	-2167.78	-59.65	2168.51	4.35	4.33	0.33	181.58	2168.60
Survey	6468.00	89.20	179.50	4574.70	-2198.78	-59.41	2199.50	5.17	5.16	0.32	181.55	2199.58
Survey	6498.00	87.10	179.90	4575.67	-2228.76	-59.25	2229.47	7.13	7.00	1.33	181.52	2229.55
Survey	6528.00	85.50	179.70	4577.61	-2258.70	-59.15	2259.40	5.37	5.33	0.67	181.50	2259.47
Survey	6559.00	85.10	179.90	4580.15	-2289.59	-59.04	2290.29	1.44	1.29	0.65	181.48	2290.35
Survey	6589.00	86.20	179.70	4582.42	-2319.51	-58.94	2320.20	3.73	3.67	0.67	181.46	2320.26
Survey	6620.00	89.20	180.00	4583.67	-2350.48	-58.86	2351.16	9.73	9.68	0.97	181.43	2351.22
Survey	6650.00	89.90	180.00	4583.90	-2380.48	-58.86	2381.16	2.33	2.33	0.00	181.42	2381.21
Survey	6682.00	89.00	180.60	4584.21	-2412.47	-59.02	2413.15	3.38	2.81	1.87	181.40	2413.19
Survey	6713.00	88.60	181.10	4584.86	-2443.46	-59.48	2444.14	2.07	1.29	1.61	181.39	2444.18

Bobek 3404 3-21H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	6745.00	88.50	181.70	4585.67	-2475.44	-60.26	2476.13	1.90	0.31	1.87	181.39	2476.17
Survey	6777.00	88.90	182.30	4586.40	-2507.42	-61.38	2508.12	2.25	1.25	1.88	181.40	2508.17
Survey	6808.00	88.70	182.00	4587.04	-2538.39	-62.54	2539.11	1.16	0.65	0.97	181.41	2539.16
Survey	6871.00	89.90	181.70	4587.81	-2601.35	-64.58	2602.10	1.96	1.90	0.48	181.42	2602.15
Survey	6934.00	88.40	182.10	4588.75	-2664.31	-66.67	2665.08	2.46	2.38	0.63	181.43	2665.14
Survey	6997.00	88.10	182.20	4590.67	-2727.23	-69.03	2728.04	0.50	0.48	0.16	181.45	2728.10
Survey	7029.00	89.60	182.00	4591.31	-2759.20	-70.20	2760.02	4.73	4.69	0.62	181.46	2760.09
Survey	7061.00	92.20	181.60	4590.81	-2791.18	-71.21	2792.02	8.22	8.13	1.25	181.46	2792.09
Survey	7092.00	92.30	180.20	4589.60	-2822.15	-71.69	2822.99	4.52	0.32	4.52	181.46	2823.06
Survey	7124.00	91.10	180.20	4588.65	-2854.14	-71.80	2854.98	3.75	3.75	0.00	181.44	2855.04
Survey	7187.00	90.80	180.40	4587.60	-2917.13	-72.13	2917.96	0.57	0.48	0.32	181.42	2918.02
Survey	7219.00	89.20	180.90	4587.60	-2949.12	-72.50	2949.95	5.24	5.00	1.56	181.41	2950.01
Survey	7282.00	89.40	180.50	4588.37	-3012.11	-73.27	3012.95	0.71	0.32	0.63	181.39	3013.00
Survey	7314.00	90.50	180.90	4588.40	-3044.11	-73.66	3044.95	3.66	3.44	1.25	181.39	3045.00
Survey	7346.00	90.50	181.10	4588.12	-3076.11	-74.22	3076.95	0.62	0.00	0.63	181.38	3077.01
Survey	7377.00	91.20	181.30	4587.66	-3107.10	-74.86	3107.95	2.35	2.26	0.65	181.38	3108.00
Survey	7409.00	92.30	181.00	4586.68	-3139.07	-75.51	3139.93	3.56	3.44	0.94	181.38	3139.98
Survey	7440.00	94.10	180.60	4584.95	-3170.02	-75.94	3170.88	5.95	5.81	1.29	181.37	3170.93
Survey	7472.00	95.00	179.80	4582.41	-3201.92	-76.05	3202.78	3.76	2.81	2.50	181.36	3202.82
Survey	7503.00	95.40	179.90	4579.60	-3232.79	-75.97	3233.64	1.33	1.29	0.32	181.35	3233.68
Survey	7535.00	95.40	180.60	4576.59	-3264.65	-76.11	3265.50	2.18	0.00	2.19	181.34	3265.54
Survey	7566.00	94.60	180.40	4573.89	-3295.53	-76.38	3296.38	2.66	2.58	0.65	181.33	3296.42
Survey	7598.00	94.80	180.20	4571.27	-3327.42	-76.54	3328.26	0.88	0.62	0.63	181.32	3328.30
Survey	7660.00	94.20	180.20	4566.40	-3389.23	-76.76	3390.07	0.97	0.97	0.00	181.30	3390.10
Survey	7692.00	93.40	180.00	4564.28	-3421.16	-76.82	3421.99	2.58	2.50	0.62	181.29	3422.02
Survey	7724.00	92.70	179.60	4562.58	-3453.11	-76.70	3453.94	2.52	2.19	1.25	181.27	3453.96
Survey	7755.00	92.00	179.40	4561.31	-3484.09	-76.43	3484.91	2.35	2.26	0.65	181.26	3484.93
Survey	7818.00	91.10	180.10	4559.61	-3547.06	-76.16	3547.86	1.81	1.43	1.11	181.23	3547.88
Survey	7850.00	90.20	180.00	4559.24	-3579.06	-76.19	3579.86	2.83	2.81	0.31	181.22	3579.87
Survey	7882.00	90.20	180.10	4559.13	-3611.06	-76.22	3611.85	0.31	0.00	0.31	181.21	3611.86
Survey	7913.00	89.70	180.20	4559.16	-3642.06	-76.30	3642.85	1.64	1.61	0.32	181.20	3642.86
Survey	7945.00	89.40	180.90	4559.41	-3674.06	-76.60	3674.85	2.38	0.94	2.19	181.19	3674.86
Survey	7976.00	89.80	180.80	4559.63	-3705.05	-77.06	3705.84	1.33	1.29	0.32	181.19	3705.85
Survey	8008.00	89.10	181.50	4559.93	-3737.04	-77.71	3737.84	3.09	2.19	2.19	181.19	3737.85
Survey	8039.00	89.40	182.00	4560.34	-3768.03	-78.65	3768.84	1.88	0.97	1.61	181.20	3768.85
Survey	8071.00	90.20	182.70	4560.45	-3800.00	-79.96	3800.83	3.32	2.50	2.19	181.21	3800.84
Survey	8103.00	93.10	183.60	4559.53	-3831.93	-81.72	3832.78	9.49	9.06	2.81	181.22	3832.80
Survey	8135.00	92.00	183.30	4558.11	-3863.84	-83.65	3864.72	3.56	3.44	0.94	181.24	3864.75
Survey	8166.00	90.50	182.90	4557.43	-3894.79	-85.32	3895.70	5.01	4.84	1.29	181.25	3895.72
Survey	8198.00	89.70	182.60	4557.37	-3926.75	-86.86	3927.68	2.67	2.50	0.94	181.27	3927.71
Survey	8229.00	89.20	181.90	4557.67	-3957.73	-88.07	3958.68	2.77	1.61	2.26	181.27	3958.71
Survey	8261.00	88.90	181.00	4558.20	-3989.71	-88.88	3990.67	2.96	0.94	2.81	181.28	3990.70
Survey	8292.00	88.40	180.10	4558.93	-4020.70	-89.18	4021.66	3.32	1.61	2.90	181.27	4021.69
Survey	8324.00	87.80	180.10	4559.99	-4052.68	-89.24	4053.63	1.88	1.88	0.00	181.26	4053.66
Survey	8355.00	88.20	180.10	4561.07	-4083.66	-89.29	4084.61	1.29	1.29	0.00	181.25	4084.64
Survey	8387.00	88.30	180.40	4562.05	-4115.65	-89.43	4116.60	0.99	0.31	0.94	181.24	4116.62
Survey	8418.00	88.30	180.90	4562.97	-4146.63	-89.78	4147.58	1.61	0.00	1.61	181.24	4147.60
Survey	8450.00	88.10	181.10	4563.98	-4178.61	-90.34	4179.56	0.88	0.63	0.63	181.24	4179.59

Bobek 3404 3-21H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	8482.00	87.50	180.40	4565.21	-4210.59	-90.76	4211.55	2.88	1.88	2.19	181.23	4211.57
Survey	8513.00	88.10	180.70	4566.40	-4241.56	-91.06	4242.52	2.16	1.94	0.97	181.23	4242.54
Survey	8545.00	89.90	181.40	4566.95	-4273.55	-91.64	4274.51	6.04	5.63	2.19	181.23	4274.53
Survey	8576.00	91.40	181.10	4566.60	-4304.54	-92.32	4305.51	4.93	4.84	0.97	181.23	4305.53
Survey	8608.00	91.90	181.40	4565.68	-4336.52	-93.02	4337.50	1.82	1.56	0.94	181.23	4337.52
Survey	8639.00	92.70	181.30	4564.44	-4367.48	-93.75	4368.46	2.60	2.58	0.32	181.23	4368.49
Survey	8671.00	92.30	180.00	4563.04	-4399.45	-94.11	4400.44	4.25	1.25	4.06	181.23	4400.46
Survey	8703.00	90.40	179.70	4562.29	-4431.44	-94.03	4432.42	6.01	5.94	0.94	181.22	4432.44
Survey	8734.00	90.30	178.70	4562.10	-4462.44	-93.59	4463.41	3.24	0.32	3.23	181.20	4463.42
Survey	8766.00	92.50	179.20	4561.32	-4494.42	-93.01	4495.37	7.05	6.88	1.56	181.19	4495.38
Survey	8797.00	93.20	179.40	4559.77	-4525.38	-92.63	4526.32	2.35	2.26	0.65	181.17	4526.33
Survey	8829.00	91.80	178.90	4558.38	-4557.34	-92.15	4558.26	4.65	4.38	1.56	181.16	4558.27
Survey	8860.00	91.10	178.50	4557.59	-4588.33	-91.45	4589.24	2.60	2.26	1.29	181.14	4589.24
Survey	8892.00	92.30	178.90	4556.64	-4620.30	-90.72	4621.19	3.95	3.75	1.25	181.12	4621.19
Survey	8923.00	91.50	179.90	4555.62	-4651.28	-90.40	4652.16	4.13	2.58	3.23	181.11	4652.16
Survey	8955.00	89.00	180.00	4555.48	-4683.28	-90.37	4684.15	7.82	7.81	0.31	181.11	4684.15
Survey	8986.00	87.60	180.70	4556.40	-4714.26	-90.56	4715.13	5.05	4.52	2.26	181.10	4715.13
Survey	9018.00	87.60	180.70	4557.74	-4746.23	-90.95	4747.10	0.00	0.00	0.00	181.10	4747.10
Survey	9050.00	89.90	180.60	4558.43	-4778.22	-91.32	4779.09	7.19	7.19	0.31	181.09	4779.09
Survey	9082.00	90.40	180.90	4558.35	-4810.22	-91.73	4811.09	1.82	1.56	0.94	181.09	4811.09
Survey	9114.00	89.00	180.80	4558.52	-4842.21	-92.21	4843.09	4.39	4.37	0.31	181.09	4843.09
Survey	9145.00	88.30	180.60	4559.25	-4873.20	-92.59	4874.08	2.35	2.26	0.65	181.09	4874.08
Survey	9177.00	89.20	180.20	4559.95	-4905.19	-92.81	4906.07	3.08	2.81	1.25	181.08	4906.07
Survey	9209.00	89.80	180.20	4560.23	-4937.19	-92.93	4938.06	1.87	1.87	0.00	181.08	4938.06
Survey	9240.00	90.60	180.40	4560.12	-4968.19	-93.09	4969.06	2.66	2.58	0.65	181.07	4969.06
Survey	9272.00	92.60	180.80	4559.23	-5000.17	-93.43	5001.04	6.37	6.25	1.25	181.07	5001.04
Survey	9303.00	94.10	181.30	4557.42	-5031.11	-93.99	5031.99	5.10	4.84	1.61	181.07	5031.99
Survey	9377.00	94.80	181.30	4551.68	-5104.87	-95.67	5105.77	0.95	0.95	0.00	181.07	5105.77
PrjCalcPnt	9424	94.8	181.3	4547.75	-5151.69	-96.73	5152.60	0	0	0	181.08	5152.60

JOB SUMMARY			PROJECT NUMBER SOK 3692	TICKET DATE 05/06/14
COUNTY Sumner	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Ronnie Hagood	
LEASE NAME Bobek 3404	Well No. 3-21H	JOB TYPE Surface	EMPLOYEE NAME Arthur Setzer	

EMP NAME	Arthur Setzer	0					
Jared Green							
Cody Bonitz							
Don Brown							

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 80 Pressure _____
 Retainer Depth _____ Total Depth 600

Date	Called Out 5/6/2014	On Location 5/6/2014	Job Started 5/6/2014	Job Completed 5/6/2014
Time	0300	1100	1846	2030

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9"		Surface	576	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	600	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL.	10 8.33
Spacer type		BBL.	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/6	9.0	5/6	2.0	Surface
Total	9.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	120
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	180	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .4% C-41P	11.11	2.01	12.40
2	120	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary							
Preflush Breakdown		Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: Fresh Water
		Lost Returns-1	NO/FULL		Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____
		Actual TOC	SURFACE		Excess /Return BBI _____	60	Calc. Disp Bbl _____
Average		Bump Plug PSI:	800		Calc. TOC: _____	SURFACE	Actual Disp. _____
ISIF _____	5 Min.	10 Min	15 Min		Final Circ. PSI: _____	120	Disp:Bbl _____
					Cement Slurry BBI _____	92.0	
					Total Volume BBI _____	143.00	

CUSTOMER REPRESENTATIVE  SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 3732	TICKET DATE 05/15/14
COUNTY Sumner	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Don Waight	
LEASE NAME Bobek 3404	Well No. 3-21H	JOB TYPE Intermediate	EMPLOYEE NAME marcos quintana	

EMP NAME					
Marcos Quintana	0				
Wallace Berry					
David Settlemier					
David Thomas					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5262

Date	Called Out	On Location	Job Started	Job Completed
	5/15/2014	5/15/2014	5/15/2014	5/15/2014
Time	1200	1700	1830	1956

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		26#	7"		Surface	
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 1/4"		Surface	5,262
Perforations						Shots/Ft.
Perforations						
Perforations						

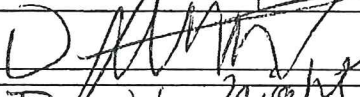
Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/15	3.0	5/15	2.0	Intermediate
Total	3.0	Total	2.0	

Pressures		
MAX	5,000 PSI	AVG. 300
Average Rates in BPM		
MAX	8 BPM	AVG 5
Cement Left in Pipe		
Feet	48	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	260	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.2% C-20 - 0.1% C-37 - 0.4% C-41P	6.93	1.43	13.60
2	100	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	10	Type: Caustic	Preflush: BBI	30.00	Type: Gel Spacer
Breakdown		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal N/A
		Lost Returns- ⁿ yes/partial	Excess /Return BBI	N/A	Calc. Disp Bbl 198
		Actual TOC	Calc. TOC:	2,073	Actual Disp. 187.00
Average		Bump Plug PSI: 1,100	Final Circ. PSI:	400	Disp: Bbl
ISIP	5 Min.	10 Min	Cement Slurry BBI	88.0	
		15 Min	Total Volume BBI	305.00	

CUSTOMER REPRESENTATIVE  SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 3779	TICKET DATE 05/30/14
COUNTY Sumner	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Ronnie Hagood	
LEASE NAME Bobek 3404	Well No. 3-21H	JOB TYPE Misc Pumping	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME	Louis Arney	0					
	Vontray Watkins						
	Ron Derry						
	0.00						

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **0**

Date	Called Out 5/29/2014	On Location 5/30/2014	Job Started 5/30/2014	Job Completed 5/30/2014
Time	2200	0200	0324	0500

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	11.6#	4 1/2"		Surface	0	1,500
Liner						
Liner						
Tubing		4"				
Drill Pipe						
Open Hole		6 1/8"		Surface	0	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	Fresh Water	BBL.	10
Spacer type	BBL.		8.33
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/30	3.0	5/30	0.7	Misc Pumping
Total	3.0	Total	0.7	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	1,500 PSI	AVG.	150
Average Rates in BPM			
MAX	6 BPM	AVG	2
Cement Left in Pipe			
Feet	Reason SHOE JOINT		

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0		0	0.00	0.00
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	10.00	Type: 0	Preflush: BBI	10.00	Type: 0
	MAXIMUM	1,500 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
	Lost Returns- NO/FULL		Excess /Return BBI		Calc.Disp Bbl 8
	Actual TOC		Calc. TOC:		Actual Disp. 8.00
Average	Bump Plug PSI:		Final Circ. PSI:		Disp:Bbl
ISIP 5 Min.	10 Min	15 Min	Cement Slurry BBI	0.0	
			Total Volume BBI	18.00	

CUSTOMER REPRESENTATIVE *Ronnie Hagood* SIGNATURE