Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1110197

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 33596
Name: Unit Petroleum Company
Wellsite Geologist: Tammy Alcorn
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 #:

1/3/2013	1/23/2013	2/27/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21899-01-00
Spot Description:
NE - NW - NE - NW Sec. 10 Twp. 35 S. R. 8 ☐ East ☑ West
300 Feet from ☑ North / ☐ South Line of Section
1920 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Harper
Lease Name: Bryant 3508 Well #: 1-10H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1289 Kelly Bushing: 1311
Total Vertical Depth: 9999 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 775 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: 04/29/2013
☑ **Confidential Release Date:** 04/29/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 04/30/2013

1110197

Operator Name: SandRidge Exploration and Production LLC Lease Name: Bryant 3508 Well #: 1-10H

Sec. 10 Twp. 35 S. R. 8 ☐ East ☑ West County: Harper

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name	Top	Datum
Base Heebner	3544	
Tonkawa	3884	
Cottage Grove	4176	
Oswego Limestone	4486	
Cherokee Group	4604	
Verdigris Limestone	4634	
Mississippi Lime	4780	

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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 3/8/2013

Producing Method: ☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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:

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

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 1-10H
Doc ID	1110197

All Electric Logs Run

Boresight
Nuclear
Mudlug
Induction

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 1-10H
Doc ID	1110197

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	11906-12252	4265 bbls water, 36 bbls acid, 75M lbs sd, 4447 TLTR	
5	11413-11701	4252 bbls water, 36 bbls acid, 75M lbs sd, 9204 TLTR	
5	10958-11378	4245 bbls water, 36 bbls acid, 75M lbs sd, 14250 TLTR	
5	10490-10896	4238 bbls water, 36 bbls acid, 75M lbs sd, 18874 TLTR	
5	10006-10430	4230 bbls water, 36 bbls acid, 75M lbs sd, 23382 TLTR	
5	9566-9920	4223 bbls water, 36 bbls acid, 75M lbs sd, 27882 TLTR	
5	9190-9502	4217 bbls water, 36 bbls acid, 75M lbs sd, 32305 TLTR	
5	8661-9096	4209 bbls water, 36 bbls acid, 75M lbs sd, 36795 TLTR	
5	8182-8553	4202 bbls water, 36 bbls acid, 75M lbs sd, 40673 TLTR	
5	7714-8102	4194 bbls water, 36 bbls acid, 75M lbs sd, 45214 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 1-10H
Doc ID	1110197

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7286-7622	4188 bbls water, 36 bbls acid, 75M lbs sd, 50058 TLTR	
5	6876-7210	4181 bbls water, 36 bbls acid, 75M lbs sd, 54514 TLTR	
5	6367-6751	4174 bbls water, 36 bbls acid, 75M lbs sd, 58780 TLTR	
5	5919-6276	4167 bbls water, 36 bbls acid, 75M lbs sd, 63015 TLTR	
5	5432-5840	4195 bbls water, 36 bbls acid, 75M lbs sd, 67241 TLTR	
5	5008-5362	4152 bbls water, 36 bbls acid, 75M lbs sd, 71528 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 1-10H
Doc ID	1110197

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	90	Mid-Continent Conductor Grout	10	none
Surface	12.25	9.63	36	774	Extendacem and Swifcem Systems	400	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5280	Halliburton Econocem and Halcem Systems	310	.4% Halad(R)-9, 10 lbm Kol-Seal, 2% Bentonite
Production Liner	6.12	4.5	11.6	9999	Econocem System	730	.4% Halad(R)-9, 10 lbm Kol-Seal, 2% Bentonite

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 25, 2013

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21899-01-00
Bryant 3508 1-10H
NW/4 Sec.10-35S-08W
Harper 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,
Tiffany Golay

REALTIME LOG

BAKER HUGHES

Gamma Ray

Scale: 1:600 TVD	Company: SandRidge Energy
Status: Final Print	Well: Bryant 3508 1-10H
	Field: Harper County
	County: Harper State: Kansas
Job ID: 5202801	Surface Location:
API Number: 15077218990100	Latitude: 37° 1' 14.838" N
	Longitude: 98° 10' 32.568" W
	SEC 10 TWP 35S RNG 8W
	Other Services: Directional/VSS

Permanent Datum (P.D.): Mean Sea Level Elevation: 1300.00 ft.
Log Measured From: Kelly Bushing 15.00 ft. Above P.D.

Elevations:
KB: 15.00 ft.
DF: 1300.00 ft.
GL: 1285.00 ft.

Interval Logged		Dates		Magnetic Field Reference			
Top:	3288 ft.	Date From:	10/Jan/13	Dip Angle:	65.16 °	Azi Reference North:	Grid
Bottom:	12422 ft.	Date To:	24/Jan/13	Total Field Strength:	51719 nT	Mag to Reference North Correction:	4.48 °
		Spud Date:	09/Jan/13				

Borehole Record

Hole Size	From	To
6.125 in.	5304 ft.	12422 ft.

Casing Record

Size	Weight	From	To
20 in.		0 ft.	90 ft.
9.625 in.		90 ft.	775 ft.
7 in.		775 ft.	5304 ft.

Mud Record

Type	From	To	Hole Size	Interval
Water Based	3328 ft.	5304 ft.	8.75 in.	
Water Based	5304 ft.	12422 ft.	6.125 in.	

Deviation Record

Inc / Az (Start)	Inc / Az (End)
0.2 ° / 138.3 °	84.7 ° / 177.0 °
84.7 ° / 177.0 °	93.0 ° / 181.5 °

Acquisition System	Software Version	Other
Advantage	2.2003	Rig: Unit 310
PATS	8.4.1.34	Contractor: Unit Drilling
		District: / Unit: Oklahoma City / 12542117

Log Run Summary

LWD Run No.	BHA Run No.	Bit Run No.	Bit Size (in.)	Bit Type	Bit Gauge Length (in.)	Assembly Type	Logged Interval Top (ft.)	Logged Interval Bottom (ft.)	Bit Depth Interval From (ft.)	Bit Depth Interval To (ft.)	Date / Time Start	Date / Time End	Circ. Time (hrs.)
1	1	2	8.75	PDC Core	3	AutoTrak Curve	N/A	N/A	N/A	N/A	10/Jan/2013 22:00	10/Jan/2013 23:00	0.00
2	2	2	8.75	PDC Core	3	AutoTrak Curve	3288	5294	775	5304	11/Jan/2013 0:30	13/Jan/2013 23:45	50.40
3	3	3	6.125	PDC Core	3	Steerable	5294	8153	5304	8198	14/Jan/2013 21:30	17/Jan/2013 18:00	55.50
4	4	4	6.125	PDC Core	4	Steerable	8153	10800	8198	10845	17/Jan/2013 18:30	20/Jan/2013 15:15	62.10
5	5	5	6.125	PDC Core	3	Steerable	10800	11143	10845	11188	20/Jan/2013 16:40	21/Jan/2013 21:30	19.50
6	6	6	6.125	TriCone	N/A	Steerable	11145	12377	11189	12423	21/Jan/2013 22:20	24/Jan/2013 7:00	40.00

Crew

Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite	Name	Arrive Wellsite	Depart Wellsite
William Kilmer	10/Jan/2013	24/Jan/2013	Brian Johnson	10/Jan/2013	24/Jan/2013			

Witness

Name	LWD Run Number
Brent Segreat	1,2,3
Tony Leija	3,4,5,6

Mud Properties Record

Date / Time	LWD Run No.	Measured Depth (ft.)	Mud Type	Density (ppg)	Viscosity (cp)	pH	Fluid Loss (cc)	Oil / Water	Source	Total Chlorides (ppm)	K+ (%)
10/Jan/2013 9:00	1	775	Water Based	8.4	5	11.0	0.0	0 / 99	Active Mud Pit	800	N/A
11/Jan/2013 9:00	2	1206	Water Based	8.8	5	9.5	0.0	0/97.7	Active Mud Pit	25000	N/A
15/Jan/2013 8:45	3	5375	Water Based	8.3	1	8.0	0.0	0/99.5	Active Mud Pit	600	N/A
18/Jan/2013 9:00	4	8496	Water Based	8.3	1	8.0	0.0	0/99.5	Active Mud Pit	1000	N/A
20/Jan/2013 9:00	5	10845	Water Based	8.3	1	9.0	0.0	0/99.5	Active Mud Pit	900	N/A
23/Jan/2012 8:00	6	12071	Water Based	8.3	1	9.0	0.0	0/99.5	Active Mud Pit	900	N/A

Mnemonics

Curve	Description	Units
GRCX	Gamma Ray Corrected	API
TCDX	Downhole Temperature	degF
ROP_AVG	Rate of Penetration, 3.0 ft. Average	ft/hr
WOB_AVG	Weight on Bit, 1.0 ft Average	klbs
GRIX	Gamma Ray Data Density	unitless
GRTX	Gamma Ray Time Since Drilled	seconds

Equipment and Service Data

LWD Run No.	Tool	Serial Number	Measurement	Bit Offset (ft)	Max O.D. (in.)	Min I.D. (in.)
1	LBLCP	12421474	Pulser	30.90	6.75	2.875
1	LBMWD	12200463	Gamma/Directional	24.12	6.75	2.875
1	LBSU	12244675	Steering Unit	7.43	6.75	2.875
2	LBLCP	11808690	Pulser	30.90	6.75	2.875

2	LBMWD	12418357	Gamma/Directional	24.12	6.75	2.875
2	LBSU	12536525	Steering Unit	7.43	6.75	2.875
3	DIR	12153771	Directional	39.56	4.75	2.6875
3	SRIG	12501268	Gamma	44.65	4.75	2.6875
4	DIR	12153771	Directional	39.62	4.75	2.6875
4	SRIG	12501268	Gamma	44.71	4.75	2.6875
5	DIR	12092235	Directional	40.00	4.75	2.6875
5	SRIG	10192235	Gamma	45.09	4.75	2.6875
6	DIR	12092235	Directional	39.97	4.75	2.6875
6	SRIG	10192235	Gamma	45.06	4.75	2.6875

Service and Tool Mnemonics

Mnemonic	Name	Description
LBLCP	Pulser	Telemetry Pulser in the AutoTrak Curve Assembly
LBMWD	MWD	Gamma and Directional sensor package in the AutoTrak Curve Assembly
LBSU	Steering Unit	AutoTrak Curve Steering Unit with Near Bit Inclination
DIR	Directional	Wellbore Directional Survey
SRIG	Inclination and Gamma	Probe Based Gamma Ray and Inclination Module

Comments

1) Baker Hughes INTEQ run 1 utilized a 6 3/4 inch NaviGamma Service (Directional and Gamma Ray) atop a 8 3/4 inch bit and AutoTrack assembly. This assembly failed on surface therefore there is no Gamma logging for this run.

2) Baker Hughes INTEQ run 2 utilized a 6 3/4 inch NaviGamma Service (Directional and Gamma Ray) atop a 8 3/4 inch bit and AutoTrack assembly. from 775 to 5304 feet MD (775 to 4871 feet TVD). Gamma logging began at 3288 MD (3287 TVD).

3) Baker Hughes INTEQ runs 3 through 6 utilized a 4 3/4 inch NaviGamma Service (Directional and Gamma Ray atop a 6 1/8 inch bit and a 4 3/4 inch steerable assembly from 5304 to 12423 feet MD (4871 to 4840 feet TVD).

4) Depth measurements were obtained from a depth control system not supplied by Baker Hughes INTEQ. Due tolack of control by Baker Hughes INTEQ logging engineers, depth calculations and measurements could not be independently verified and the unverified depths are supplied to INTEQ are being used to present logging data.

5) A sliding indicator is shown on the left edge of track 1 as a heavy line. This line has been depth shifted to the Gamma Ray sensor. to correspond with Gamma Ray data aquired while sliding.

Remarks

Number	Measured Depth (ft)	Hole Section (in.)	LWD Run No.	Remark
1	5304	8.75	2	The interval from 5294 to 5304 feet MD (4870 to 4871 feet TVD) was logged up to 39 hours after drilling due to a trip to place casing and to pick up a new Bit, Motor, and MWD.
2	8198	6.125	3	The interval from 8153 to 8198 feet MD (4879 to 4876 feet TVD) was logged up to 14 hours after drilling due to a trip to place casing and to pick up a new Bit and Motor.

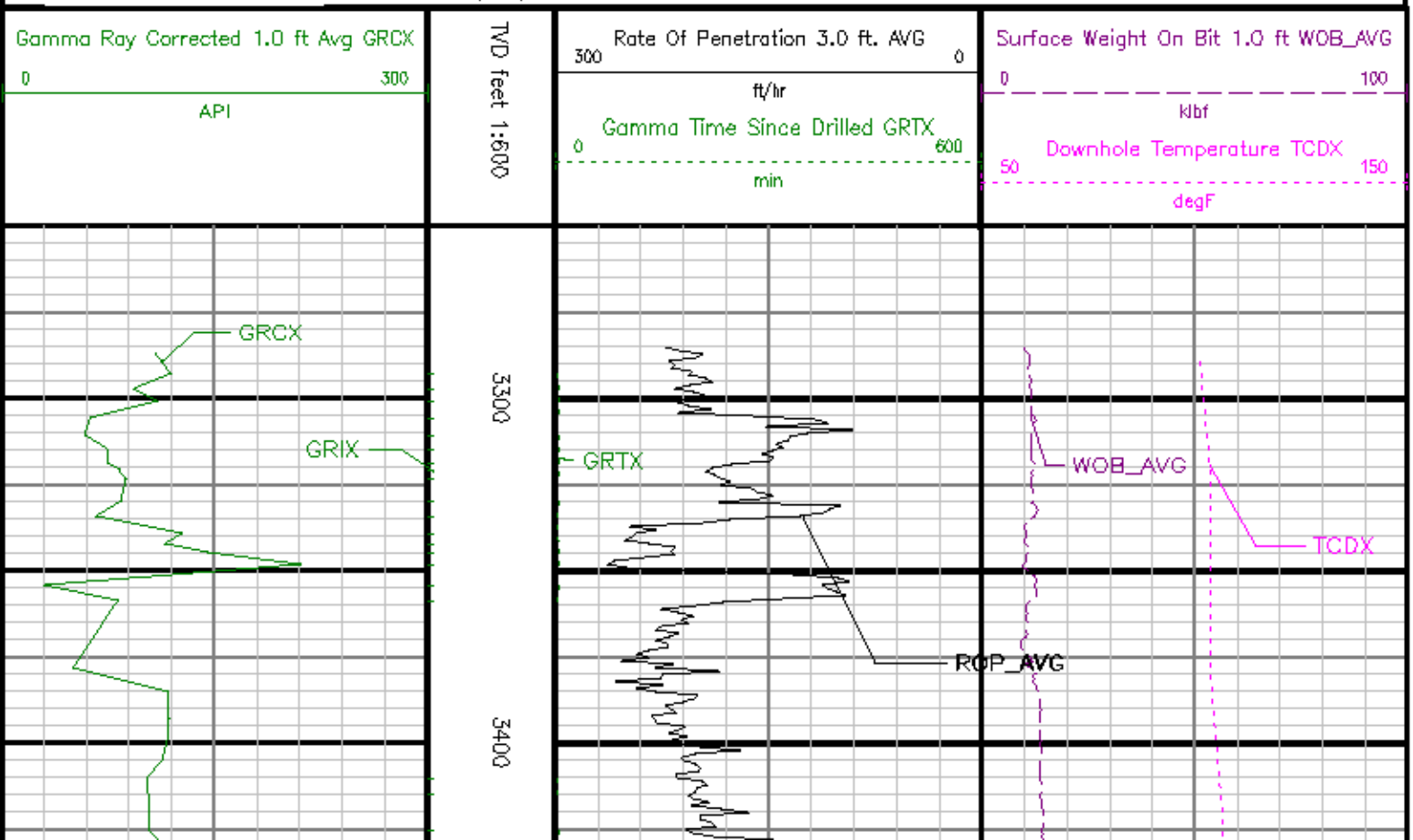
3	10845	6.125	4	The interval from 10800 to 10845 feet MD (4859 to 4855 feet TVD) was logged up to 15 hours after drilling due to a trip to pick up a new Bit and MWD.
4	11188	6.125	5	The interval from 11143 to 11185 feet MD (4853 to 4854 feet TVD) was logged up to 16 hours after drilling due to a trip to pick up a new Bit and Motor.
5	12422	6.125	6	The interval from 12377 to 12422 feet MD (4843 to 4840 feet TVD) was not logged due to Gamma Ray sensor to bit offset at well TD.

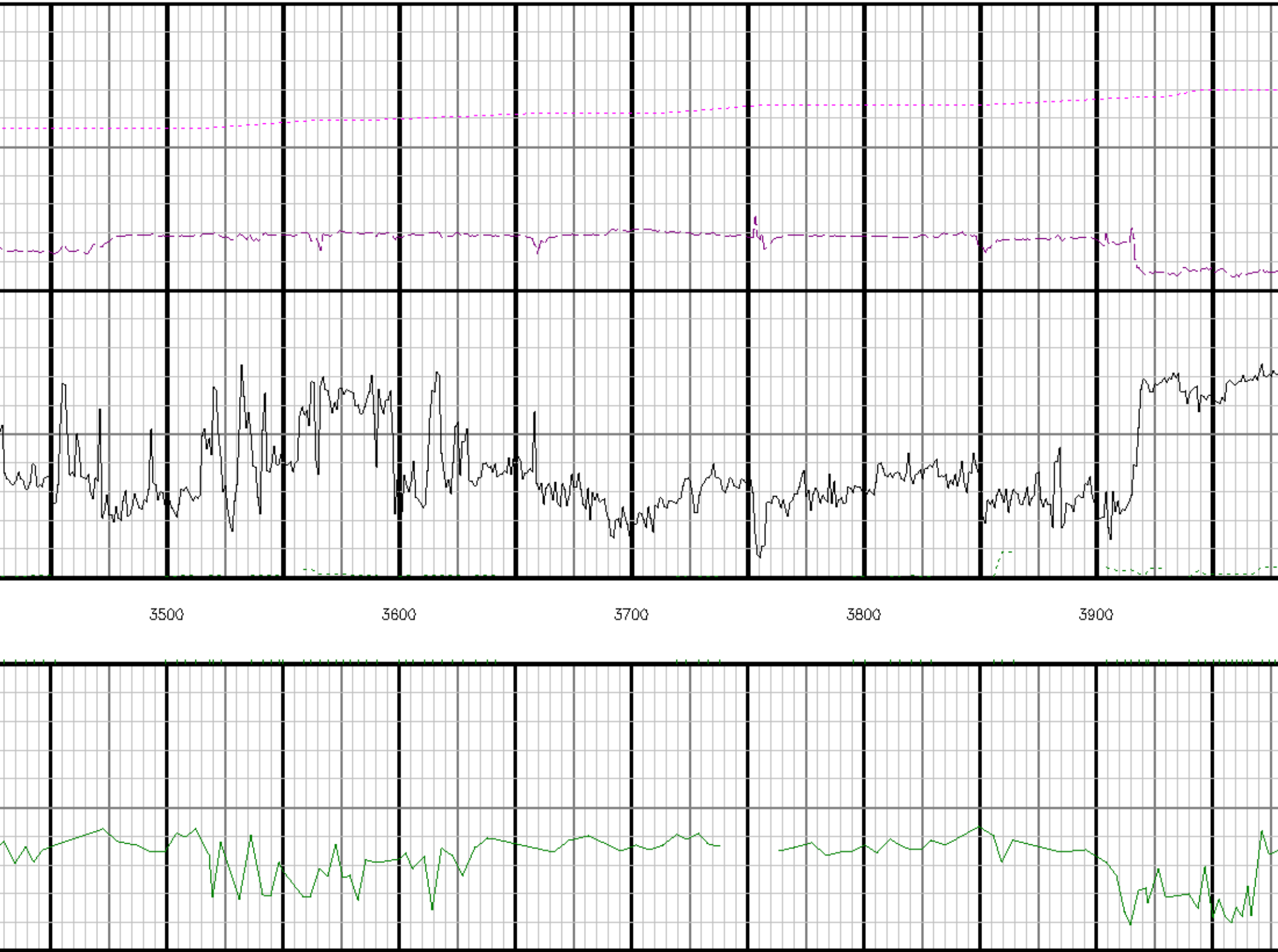
Curve Mnemonics

Curve	Description	Units
GRCX	Gamma Ray – Corrected	API
GRIX	Gamma Ray – Data Point Indicator	unitless
GRTX	Gamma Time Since Drilled GRTX	min
ROP_AVG	Depth Averaged ROP	ft/hr
TCDX	Downhole Temperature	degF
WOB_AVG	AVERAGE Weight On Bit	klbf

BAKER HUGHES

Company : SandRidge Energy
Well : Bryant 35DB 1-1DH
Interval : 3250.00 - 4925.00 feet
Created : 23/Jan/2013 8:49:03 PM

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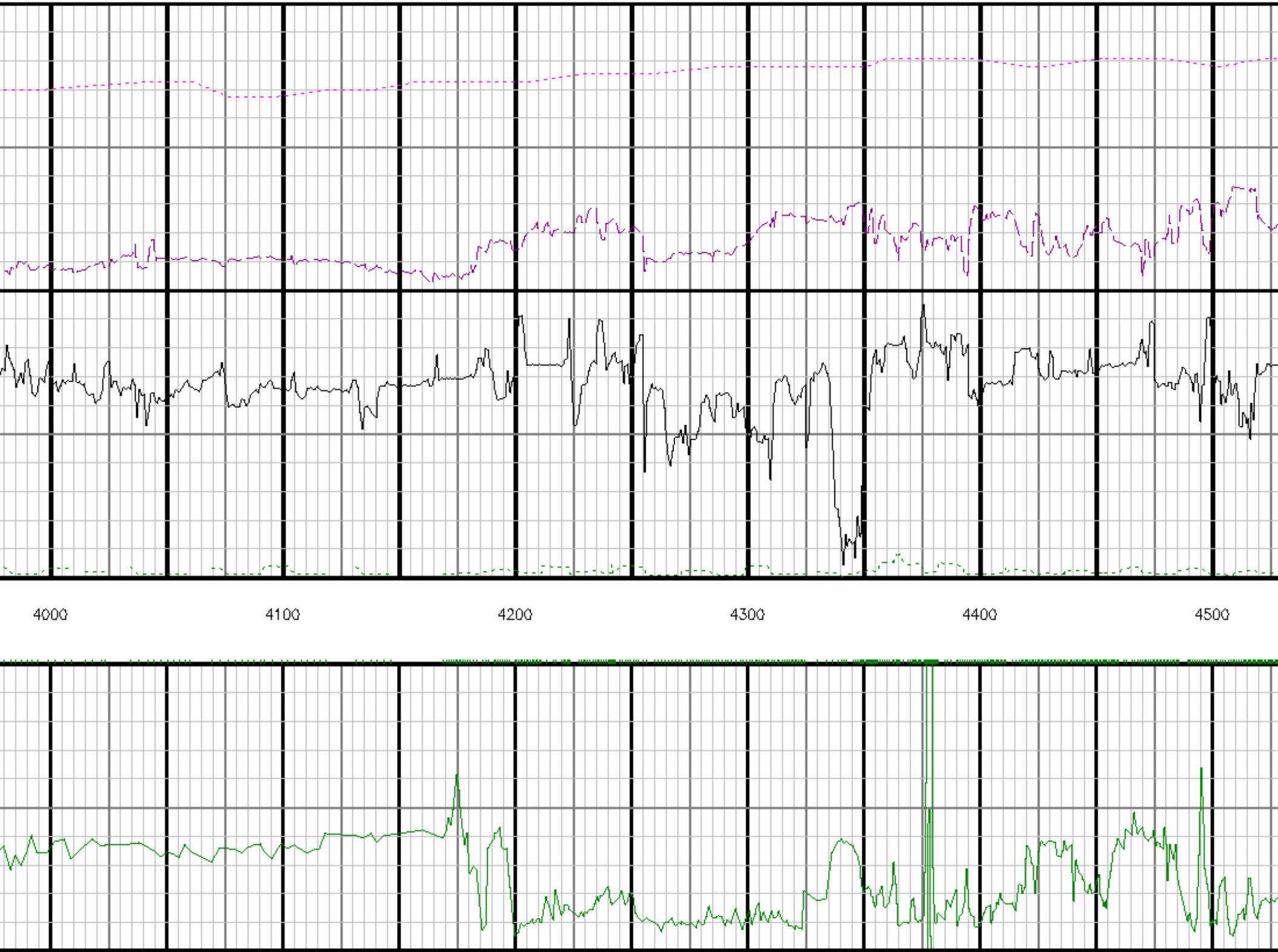
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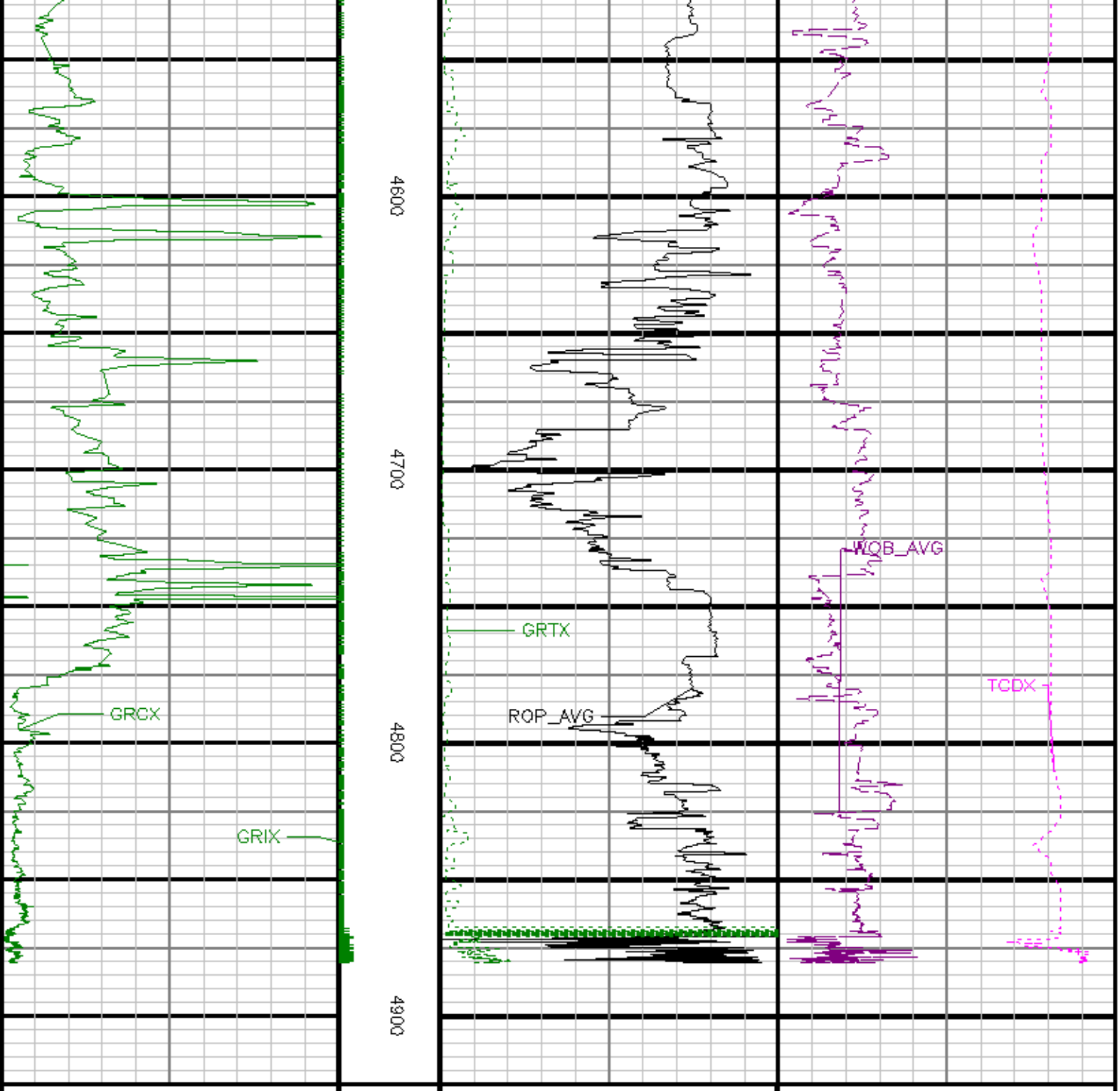


ADVANTAGE Final Survey Listing

Operator Field API No.

Operator :SandRidge Energy | Field : Harper County | API No : 15077218990100
Well :Bryant 3508 1-10H | Rig : Unit 310 | Job :5202601
Wellbore : Bryant 3508 1-10H Orig Hole

Well Origin

Latitude	37.02 deg	Longitude	-98.18 deg
North Reference	Grid	Drill Depth Zero	NULL
Vertical Datum is	Mean Sea Level	Vertical Datum to DDZ	1300.00 ft
Vertical Section North	0.00 ft	Vertical Section East	0.00 ft
Vertical Section Azimuth	179.31 deg	Vertical Section Depth	0.00ft
Grid Convergence	-0.20 deg	Magnetic Declination	4.68 deg
Total Correction	4.48 deg	TVD Calculation Method	Minimal Curvature
D-Raw Calculation	Magcarr1	Local Magnetic Field	51719 nT
Local Magnetic Dip Angle	65.16 deg	Local Gravity Field	9.798 m/s^2

Tie	MD ft	Incl deg	Azim deg	North ft	East ft	TVD ft	VS ft	Incr VS ft	Crs Len ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
D	15.00	0.00	0.00			15.00			15.00			
	250.00	0.80	138.28	-1.22	1.09	249.99	1.24	1.64	235.00	0.34	0.34	58.84
	500.00	0.80	138.28	-3.83	3.41	499.97	3.87	5.13	250.00	0.00	0.00	0.00
	775.00	0.30	138.28	-5.60	5.17	774.95	5.86	7.77	275.00	0.18	-0.18	0.00
	815.00	0.19	138.28	-5.93	5.28	814.95	5.99	7.94	40.00	0.28	-0.28	-0.01
	907.00	0.07	327.89	-5.99	5.36	906.95	6.06	8.04	92.00	0.28	-0.13	-185.21
	999.00	0.45	64.25	-5.79	5.65	998.95	5.85	8.40	92.00	0.51	0.42	104.74
	1090.00	0.34	126.22	-5.79	6.20	1089.95	5.87	8.95	91.00	0.46	-0.12	66.10
	1182.00	0.15	278.63	-5.94	6.30	1181.95	6.01	9.12	92.00	0.53	-0.21	165.66
	1274.00	0.12	31.84	-5.83	6.23	1273.95	5.91	9.25	92.00	0.25	-0.03	123.05
	1366.00	0.07	324.60	-5.70	6.25	1365.95	5.78	9.38	92.00	0.13	-0.06	-73.09
	1458.00	0.16	163.37	-5.78	6.26	1457.95	5.86	9.45	92.00	0.24	0.10	-175.25
	1551.00	0.22	187.76	-6.08	6.27	1550.95	6.15	9.75	93.00	0.11	0.07	26.23
	1643.00	0.29	276.05	-6.23	6.01	1642.95	6.30	10.05	92.00	0.39	0.08	95.96
	1735.00	0.06	0.46	-6.15	5.78	1734.95	6.22	10.29	92.00	0.32	-0.25	91.76
	1828.00	0.21	74.11	-6.06	5.94	1827.95	6.13	10.48	93.00	0.21	0.16	79.19
	1923.00	0.34	162.97	-6.28	6.19	1922.95	6.35	10.81	95.00	0.42	0.14	93.54
	2018.00	0.04	122.70	-6.57	6.30	2017.95	6.64	11.12	95.00	0.32	-0.31	-42.39
	2113.00	0.20	30.97	-6.45	6.42	2112.95	6.52	11.29	95.00	0.21	0.16	-96.56
	2207.00	0.28	77.93	-6.26	6.73	2206.95	6.34	11.65	94.00	0.22	0.09	49.96
	2302.00	0.30	93.46	-6.23	7.21	2301.95	6.31	12.13	95.00	0.09	0.02	16.34
	2397.00	0.24	98.61	-6.27	7.66	2396.94	6.36	12.58	95.00	0.07	-0.07	5.42
	2492.00	0.61	127.37	-6.61	8.26	2491.94	6.71	13.27	95.00	0.44	0.39	30.27
	2587.00	0.13	134.48	-6.99	8.74	2586.94	7.10	13.89	95.00	0.51	-0.51	7.48
	2682.00	0.31	93.67	-7.08	9.07	2681.94	7.19	14.23	95.00	0.24	0.19	-42.95
	2776.00	0.39	134.77	-7.33	9.55	2775.94	7.44	14.77	94.00	0.27	0.09	43.73
	2871.00	0.63	255.49	-7.69	9.27	2870.93	7.80	15.22	95.00	0.95	0.26	127.07
	2966.00	0.31	318.40	-7.63	8.59	2965.93	7.73	15.90	95.00	0.60	-0.34	66.22
	3061.00	0.26	347.39	-7.22	8.37	3060.93	7.32	16.36	95.00	0.16	-0.05	30.52
	3156.00	0.50	159.24	-7.40	8.47	3155.93	7.50	16.56	95.00	0.80	0.25	180.89
	3251.00	0.23	116.07	-7.67	8.79	3250.93	7.97	17.14	95.00	0.39	-0.28	-45.44
	3346.00	0.25	143.59	-8.12	9.09	3345.93	8.23	17.53	95.00	0.12	0.01	28.97
	3441.00	0.15	149.53	-8.40	9.28	3440.93	8.51	17.86	95.00	0.10	-0.10	6.25
	3535.00	0.07	97.51	-8.51	9.40	3534.93	8.63	18.03	94.00	0.13	-0.09	-55.35
	3630.00	0.29	71.71	-8.44	9.68	3629.93	8.56	18.32	95.00	0.24	0.24	-27.15
	3725.00	0.18	229.29	-8.46	9.80	3724.93	8.58	18.44	95.00	0.49	-0.12	165.87
	3820.00	0.77	228.71	-8.98	9.21	3819.92	9.09	19.23	95.00	0.62	0.62	-0.62
	3915.00	0.28	204.55	-9.62	8.63	3914.92	9.72	20.09	95.00	0.55	-0.51	-25.43
	3947.00	1.18	182.33	-10.02	8.58	3946.91	10.13	20.50	32.00	2.90	2.82	-69.45
	3978.00	3.85	180.72	-11.38	8.56	3977.88	11.49	21.86	31.00	8.59	8.58	-5.20
	4010.00	6.17	178.58	-14.18	8.59	4009.76	14.28	24.65	32.00	7.28	7.26	-6.67
	4041.00	8.53	178.84	-18.14	8.67	4040.50	18.24	28.61	31.00	7.60	7.60	0.81
	4073.00	10.46	177.75	-23.42	8.83	4072.06	23.52	33.89	32.00	6.09	6.06	-3.38
	4104.00	12.01	177.44	-29.45	9.09	4102.47	29.56	39.93	31.00	4.99	4.99	-1.02
	4136.00	13.59	179.04	-36.54	9.30	4133.67	36.65	47.02	32.00	5.05	4.92	5.02

4168.00	15.06	180.44	-44.45	9.33	4164.67	44.56	54.94	32.00	4.73	4.60	4.37
4200.00	17.32	180.75	-53.38	9.24	4195.40	53.48	65.86	32.00	7.08	7.07	0.97
4231.00	20.70	179.47	-63.47	9.23	4224.71	63.58	75.96	31.00	10.98	10.90	-4.14
4263.00	23.26	179.08	-75.45	9.38	4254.38	75.56	85.93	32.00	8.01	8.00	-1.20

Tie	MD	Incl	Azim	North	East	TVD	VS	Incr VS	Crs Len	DLS	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft
	4295.00	26.06	178.44	-88.80	9.67	4283.46	88.91	99.28	32.00	8.77	8.73	-2.00
	4326.00	28.41	177.28	-102.97	10.21	4311.02	103.08	113.47	31.00	7.79	7.59	-3.76
	4358.00	29.64	177.19	-118.48	10.96	4339.00	118.60	128.99	32.00	3.85	3.85	-0.27
	4390.00	30.33	177.17	-134.45	11.74	4366.72	134.58	144.99	32.00	2.16	2.16	-0.08
	4421.00	31.91	178.45	-150.46	12.35	4393.25	150.60	161.01	31.00	5.51	5.08	4.14
	4453.00	34.22	178.49	-167.91	12.82	4420.07	168.06	178.47	32.00	7.24	7.24	0.12
	4484.00	36.87	179.87	-185.93	13.07	4445.29	186.07	196.49	31.00	8.92	8.54	4.45
	4516.00	39.74	181.12	-205.76	12.89	4470.40	205.90	216.32	32.00	9.30	8.98	3.93
	4547.00	42.06	181.67	-226.05	12.39	4493.63	226.19	236.62	31.00	7.56	7.47	1.77
	4579.00	43.11	181.23	-247.70	11.85	4517.39	247.82	258.27	32.00	3.42	3.29	-1.37
	4611.00	43.75	181.44	-269.69	11.33	4540.63	269.81	280.27	32.00	2.05	2.01	0.64
	4642.00	44.40	181.21	-291.25	10.83	4562.90	291.36	301.83	31.00	2.13	2.07	-0.74
	4674.00	45.84	180.70	-313.92	10.46	4585.48	314.02	324.51	32.00	4.65	4.51	-1.61
	4705.00	48.35	181.28	-336.62	10.06	4606.58	336.72	347.21	31.00	8.22	8.10	1.89
	4769.00	49.77	181.39	-384.95	8.93	4648.52	385.03	395.55	64.00	2.22	2.22	0.17
	4863.00	50.52	181.65	-457.09	7.02	4708.76	457.14	467.71	94.00	0.83	0.80	0.28
	4895.00	50.61	181.51	-481.79	6.34	4729.08	481.83	492.43	32.00	0.44	0.26	-0.46
	4927.00	52.55	181.70	-506.85	5.63	4748.97	506.88	517.50	32.00	6.09	6.07	0.61
	4958.00	55.84	181.25	-531.98	4.99	4767.10	532.00	542.64	31.00	10.69	10.62	-1.46
	4990.00	59.42	180.72	-559.00	4.52	4784.23	559.02	569.66	32.00	11.26	11.17	-1.67
	5022.00	62.24	179.52	-586.94	4.47	4799.83	586.95	597.60	32.00	9.42	8.83	-3.75
	5053.00	65.40	177.71	-614.75	5.15	4813.50	614.76	625.41	31.00	11.44	10.17	-5.83
	5085.00	68.74	177.05	-644.18	6.50	4825.97	644.21	654.88	32.00	10.63	10.46	-2.07
	5117.00	71.81	176.88	-674.26	8.15	4836.77	674.31	685.00	32.00	9.66	9.60	-1.16
	5148.00	74.48	176.32	-703.87	9.97	4845.75	703.94	714.67	31.00	8.67	8.61	-1.14
	5180.00	76.61	175.79	-734.78	12.10	4853.74	734.87	745.65	32.00	6.84	6.65	-1.67
	5211.00	78.94	176.58	-765.01	14.11	4860.30	765.12	775.95	31.00	7.93	7.53	2.55
	5243.00	81.63	176.76	-796.49	15.95	4865.70	796.63	807.48	32.00	8.41	8.39	0.57
	5274.00	84.70	176.97	-827.22	17.63	4869.39	827.37	838.26	31.00	9.93	9.90	0.68
	5312.00	88.95	177.44	-865.11	19.48	4871.50	865.28	876.19	38.00	11.28	11.19	1.25
	5375.00	88.95	176.10	-928.00	23.03	4872.65	928.21	939.18	63.00	2.12	-0.00	-2.12
	5438.00	89.94	176.21	-990.85	27.25	4873.26	991.11	1002.18	63.00	1.58	1.57	0.18
	5502.00	90.06	177.00	-1054.74	31.04	4873.28	1055.04	1066.18	64.00	1.24	0.19	1.23
	5597.00	90.46	176.91	-1149.60	36.09	4872.83	1149.95	1161.17	95.00	0.43	0.42	-0.09
	5691.00	91.17	176.94	-1243.46	41.13	4871.49	1243.86	1255.16	94.00	0.76	0.76	0.03
	5786.00	89.69	177.16	-1338.33	46.01	4870.77	1338.78	1350.16	95.00	1.58	-1.56	0.23
	5880.00	88.73	178.27	-1432.24	49.76	4872.07	1432.74	1444.15	94.00	1.56	-1.01	1.18
	5975.00	89.29	178.11	-1527.18	52.77	4873.71	1527.70	1539.13	95.00	0.60	0.58	-0.17
	6070.00	89.11	177.42	-1622.10	56.48	4875.04	1622.66	1634.12	95.00	0.75	-0.19	-0.72
	6165.00	90.87	179.87	-1717.06	58.72	4875.07	1717.64	1729.11	95.00	3.18	1.85	2.58
	6260.00	91.27	179.37	-1812.04	59.36	4873.30	1812.62	1824.10	95.00	0.68	0.42	-0.53
	6355.00	91.11	178.45	-1907.00	61.16	4871.33	1907.60	1919.07	95.00	0.97	-0.17	-0.96
	6450.00	90.41	179.80	-2001.98	62.61	4870.07	2002.59	2014.06	95.00	1.60	-0.74	1.42
	6544.00	87.86	179.17	-2095.96	63.45	4871.50	2096.57	2108.04	94.00	2.79	-2.71	-0.67
	6639.00	91.24	180.12	-2190.94	64.04	4872.25	2191.55	2203.03	95.00	3.70	3.56	1.01
	6734.00	90.82	179.50	-2285.92	64.36	4870.54	2286.53	2298.01	95.00	0.79	-0.44	-0.66
	6828.00	90.22	178.80	-2379.90	65.75	4869.68	2380.52	2392.00	94.00	0.98	-0.65	-0.74
	6923.00	90.41	178.01	-2474.87	68.39	4869.16	2475.51	2487.00	95.00	0.85	0.20	-0.83
	7018.00	89.56	176.92	-2569.77	72.59	4869.19	2570.46	2582.00	95.00	1.45	-0.89	-1.15
	7113.00	87.30	178.84	-2664.65	76.26	4871.78	2665.38	2676.96	95.00	2.99	-2.38	1.61

Tie	MD	Incl	Azim	North	East	TVD	VS	Incr VS	Crs Len	DLS	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft
	7208.00	88.14	180.53	-2759.57	76.94	4875.56	2760.30	2771.87	95.00	2.17	0.87	1.96
	7302.00	90.83	182.28	-2853.53	74.64	4876.41	2854.22	2865.86	94.00	3.42	2.87	1.86
	7397.00	89.29	180.67	-2948.49	72.19	4876.31	2949.14	2960.85	95.00	2.35	-1.62	-1.69
	7491.00	88.89	180.72	-3042.47	71.05	4877.60	3043.11	3054.84	94.00	0.43	-0.42	0.05
	7555.00	89.26	181.98	-3106.44	69.54	4878.83	3107.05	3118.83	64.00	2.04	0.58	1.96

7618.00	89.85	182.11	-3169.40	67.30	4879.32	3169.98	3181.83	63.00	0.95	0.93	0.21
7681.00	88.64	180.29	-3232.38	65.98	4880.16	3232.94	3244.82	63.00	3.47	-1.92	-2.89
7744.00	91.09	182.84	-3295.34	64.26	4880.31	3295.88	3307.81	63.00	5.62	3.89	4.05
7807.00	91.02	182.15	-3358.27	61.51	4879.15	3358.77	3370.80	63.00	1.10	-0.11	-1.10
7871.00	90.38	181.15	-3422.24	59.67	4878.37	3422.71	3434.79	64.00	1.86	-1.00	-1.57
7966.00	88.21	182.04	-3517.19	57.03	4879.54	3517.62	3529.78	95.00	2.47	-2.28	0.94
8029.00	89.85	182.00	-3580.14	54.81	4880.60	3580.54	3592.77	63.00	2.60	2.59	-0.05
8092.00	91.06	181.43	-3643.11	52.93	4880.10	3643.48	3655.76	63.00	2.13	1.93	-0.91
8181.00	89.85	179.81	-3732.10	52.12	4879.40	3732.45	3744.76	89.00	2.46	-1.36	-2.05
8228.00	91.18	179.94	-3779.09	52.31	4878.98	3779.45	3791.75	47.00	2.92	2.83	0.72
8289.00	92.86	179.80	-3840.05	52.44	4876.83	3840.41	3852.71	61.00	2.78	2.77	-0.23
8381.00	92.54	179.58	-3931.95	52.93	4872.50	3932.30	3944.61	92.00	0.43	-0.36	-0.25
8442.00	91.95	179.20	-3992.90	53.58	4870.11	3993.25	4005.56	61.00	1.14	-0.96	-0.62
8503.00	90.83	179.56	-4053.88	54.24	4868.63	4054.23	4066.54	61.00	1.92	-1.83	0.58
8594.00	91.68	179.03	-4144.85	55.36	4866.63	4145.21	4157.52	91.00	1.10	0.93	-0.58
8686.00	90.49	179.23	-4236.82	56.75	4864.88	4237.19	4249.50	92.00	1.31	-1.29	0.21
8778.00	91.06	178.93	-4328.80	58.23	4863.64	4329.18	4341.49	92.00	0.70	0.61	-0.33
8870.00	90.83	179.21	-4420.77	59.73	4862.12	4421.17	4433.48	92.00	0.39	-0.24	0.31
8901.00	89.60	179.85	-4451.77	60.04	4862.00	4452.17	4464.48	31.00	4.22	-3.98	1.42
8962.00	89.10	181.01	-4512.76	59.69	4862.69	4513.15	4525.47	61.00	2.37	-0.81	2.22
9053.00	89.63	179.90	-4603.75	58.96	4863.70	4604.13	4616.47	91.00	1.34	0.58	-1.21
9145.00	90.06	179.43	-4695.75	59.49	4863.95	4696.13	4708.47	92.00	0.70	0.47	-0.51
9237.00	89.41	179.28	-4787.74	60.52	4864.37	4788.12	4800.46	92.00	0.72	-0.70	-0.16
9329.00	88.43	179.50	-4879.72	61.50	4866.10	4880.11	4892.45	92.00	1.10	-1.07	0.23
9421.00	88.89	179.54	-4971.69	62.27	4868.26	4972.08	4984.42	92.00	0.51	0.50	0.05
9513.00	90.22	179.92	-5063.68	62.71	4868.98	5064.07	5076.42	92.00	1.50	1.45	0.41
9604.00	90.62	178.10	-5154.66	64.28	4868.32	5155.07	5167.41	91.00	2.05	0.44	-2.00
9696.00	90.19	177.38	-5246.59	67.90	4867.68	5247.03	5259.41	92.00	0.91	-0.47	-0.78
9788.00	88.99	175.45	-5338.40	73.65	4868.34	5338.90	5351.40	92.00	2.47	-1.30	-2.10
9849.00	90.69	176.96	-5399.26	77.69	4868.51	5399.81	5412.39	61.00	3.73	2.79	2.47
9880.00	90.12	176.36	-5430.21	79.49	4868.30	5430.77	5443.39	31.00	2.66	-1.82	-1.95
9975.00	88.55	175.45	-5524.96	86.28	4869.39	5525.60	5538.38	95.00	1.91	-1.65	-0.95
10070.00	89.07	176.07	-5619.68	93.30	4871.36	5620.39	5633.36	95.00	0.85	0.55	0.65
10133.00	90.06	176.73	-5682.55	97.26	4871.84	5683.31	5696.36	63.00	1.89	1.57	1.05
10165.00	90.12	176.97	-5714.50	99.02	4871.79	5715.28	5728.36	32.00	0.80	0.19	0.75
10260.00	91.55	178.67	-5809.42	102.63	4870.40	5810.23	5823.34	95.00	2.33	1.50	1.79
10355.00	89.91	177.72	-5904.36	105.62	4869.20	5905.20	5918.33	95.00	1.99	-1.72	-1.00
10449.00	89.72	177.87	-5998.29	109.23	4869.50	5999.17	6012.33	94.00	0.25	-0.20	0.16
10544.00	90.09	178.53	-6093.24	112.21	4869.66	6094.15	6107.33	95.00	0.80	0.39	0.69
10639.00	92.15	179.49	-6188.20	113.86	4867.80	6189.12	6202.31	95.00	2.39	2.16	1.00
10734.00	93.21	179.95	-6283.09	114.33	4863.35	6284.01	6297.20	95.00	1.22	1.12	0.48
10829.00	92.45	179.47	-6377.98	114.81	4858.66	6378.90	6392.08	95.00	0.94	-0.80	-0.50
10924.00	91.85	181.58	-6472.90	113.93	4855.09	6473.80	6487.01	95.00	2.30	-0.64	2.22
11019.00	90.22	182.51	-6567.82	110.54	4853.38	6568.67	6581.99	95.00	1.98	-1.72	0.98
11114.00	89.54	182.36	-6662.73	106.50	4853.58	6663.53	6676.99	95.00	0.74	-0.72	-0.16

Tie	MD ft	Incl deg	Azim deg	North ft	East ft	TVD ft	VS ft	Incr VS ft	Crs Len ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft
	11145.00	89.50	182.17	-6693.71	105.28	4853.64	6694.49	6707.99	31.00	0.61	-0.11	-0.60
	11208.00	89.75	182.44	-6756.65	102.74	4854.25	6757.40	6770.99	63.00	0.59	0.40	0.43
	11303.00	89.51	182.51	-6851.56	98.63	4854.86	6852.25	6865.98	95.00	0.27	-0.26	0.07
	11398.00	89.48	182.26	-6946.48	94.67	4855.70	6947.11	6960.98	95.00	0.27	-0.03	-0.27
	11493.00	90.43	182.30	-7041.40	90.89	4855.78	7041.98	7055.98	95.00	1.01	1.00	0.04
	11588.00	89.78	181.74	-7136.34	87.54	4855.60	7136.88	7150.98	95.00	0.90	-0.68	-0.59
	11683.00	89.97	181.73	-7231.30	84.66	4855.80	7231.79	7245.98	95.00	0.19	0.19	-0.01
	11778.00	90.18	182.21	-7326.24	81.40	4855.68	7326.69	7340.98	95.00	0.55	0.23	0.50
	11873.00	91.08	182.11	-7421.17	77.82	4854.63	7421.56	7435.97	95.00	0.94	0.94	-0.10
	11968.00	90.40	181.95	-7516.10	74.45	4853.40	7516.45	7530.96	95.00	0.73	-0.71	-0.17
	12063.00	90.83	181.16	-7611.06	71.88	4852.38	7611.37	7625.96	95.00	0.95	0.45	-0.83
	12157.00	91.26	181.22	-7705.02	69.93	4850.67	7705.30	7719.94	94.00	0.46	0.46	0.07
	12252.00	91.79	181.72	-7799.96	67.49	4848.14	7800.20	7814.91	95.00	0.76	0.55	0.52
	12347.00	92.46	181.65	-7894.85	64.70	4844.62	7895.05	7909.84	95.00	0.72	0.71	-0.08
	12379.00	92.96	181.49	-7926.80	63.83	4843.11	7926.99	7941.80	32.00	1.61	1.54	-0.47

Projection to TD:

12422.00	92.96	181.49	−7969.73	62.71	4840.89	7969.91	7984.75	43.00	0.00	0.00	0.00

Mid-Continent Conductor, LLC

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400
Fax: (580)254-3242

Invoice

Date	Invoice #
1/3/2013	1630

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Bobby Jopling	Net 45	1/3/2013	Bryant 3508 1-10H, Harper Cnty, KS	Unit 310

Item	Quantity	Description
Conductor Hole	90	Drilled 90 ft. conductor hole
20" Pipe	90	Furnished 90 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6' X 6' cellar hole
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn
Mud and Water	1	Furnished mud and water
Transport Truck - Conductor	1	Transport mud and water to location
Transport Truck - Conductor	1	Furnished Transport truck and water to displace cement down center of conductor
Grout & Trucking	10	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Fence Panels	4	Furnished and set fence panels around conductor holes
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits

AFE Number: DC 11890
Well Name: Bryant 3508 1-10H
Code: 830.010
Amount: $ 19,340.00
Co. Man: Antonio Leija Jr
Co. Man Sig.:
Notes:

Subtotal	$19,340.00
Sales Tax (0.0%)	$0.00
Total	$19,340.00

HALLIBURTON Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2974079	**Quote #:**	**Sales Order #:** 900132252
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Bryant 3508	**Well #:** 1-10H		**API/UWI #:**
Field: HARPER	**City (SAP):** WALDRON	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 10 Township 35S Range 08W			
Contractor: Unit Drilling *	**Rig/Platform Name/Num:** Unit 310		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** UNDERWOOD, BILLY	**MBU ID Emp #:** 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CRAWFORD, ANDREW B	6	480612	SEELY, MATTHEW Lance	6	507547	STILL, ERIC Dean	6	523897
TERRY, STACY Glen	6	373291	UNDERWOOD, BILLY Dale	6	159068			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10012808C	100 mile	10261039	100 mile	10688352	100 mile	10784068	100 mile
10825967	100 mile	11133701	100 mile	11288856	100 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-9-13	2	0	1-10-13	4	1			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**	**Bottom**	
Form Type		**BHST**	
Job depth MD	1000. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**	**To**	

Job Times

	Date	Time	Time Zone
Called Out	09 - Jan - 2013	16:30	CST
On Location	09 - Jan - 2013	21:30	CST
Job Started	10 - Jan - 2013	02:30	CST
Job Completed	10 - Jan - 2013	03:25	CST
Departed Loc	10 - Jan - 2013	04:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25				.	765.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	765.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	HLC Standard	EXTENDACEM (TM) SYSTEM (452981)	250.0	sacks	12.4	2.11	11.57		11.57
3 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.25 lbm		POLY-E-FLAKE (101216940)							
11.571 Gal		FRESH WATER							
3	Standard	SWIFTCEM (TM) SYSTEM (452990)	150.0	sacks	15.6	1.2	5.32		5.32
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.125 lbm		POLY-E-FLAKE (101216940)							
5.319 Gal		FRESH WATER							
4	Displacement		57.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	57	Shut In: Instant		Lost Returns		Cement Slurry	94/32	Pad	
Top Of Cement		5 Min		Cement Returns	30	Actual Displacement	57	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	193

Rates							
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5

Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** UNKNOWN	**Quote #:**	**Sales Order #:** 900138895
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Bryant 3508	**Well #:** 1-10H		**API/UWI #:**
Field: HARPER	**City (SAP):** UNKNOWN	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 10 Township 35S Range 08W			
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well	**Job Type:** Cement Intermediate Casing		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** THOMPSON, RAYLAND	**MBU ID Emp #:** 476826	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LOPEZ, CRISTIAN Adrian	9.8	488085	RUSH, BENJAMIN Maxwell	12.2	522278	THOMPSON, RAYLAND Heath	9.7	476826

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1/14/13	10	1.5						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**		**Bottom**
Form Type		**BHST**	
Job depth MD	6512. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**		**To**

Job Times

	Date	Time	Time Zone
Called Out	13 - Jan - 2013	23:21	CST
On Location	14 - Jan - 2013	08:15	CST
Job Started	14 - Jan - 2013	15:15	CST
Job Completed	14 - Jan - 2013	16:30	CST
Departed Loc	14 - Jan - 2013	18:10	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				765.	5299.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5299.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	765.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	120.0	sacks	13.6	1.53	7.24		7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 Gal	FRESH WATER							
3	Premium	HALCEM (TM) SYSTEM (452986)	190.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		201.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	199	Shut In: Instant		Lost Returns	NO	Cement Slurry	73	Pad	
Top Of Cement	2672.46	5 Min		Cement Returns	NO	Actual Displacement	299	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	

Rates							
Circulating		Mixing	6	Displacement	7	Avg. Job	6.5

Cement Left In Pipe	Amount	82.44 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 2974079	**Quote #:**	**Sales Order #:** 900155060
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Bryant 3508	**Well #:** 1-10H		**API/UWI #:**
Field: HARPER	**City (SAP):** WALDRON	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 10 Township 35S Range 08W			
Contractor: UNIT	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Production Liner			
Well Type: Development Well	**Job Type:** Cement Production Liner		
Sales Person: NGUYEN, VINH	**Srvc Supervisor:** PENN, BRIAN	**MBU ID Emp #:** 512150	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWNING, JOHN Brent	0.0	515883	DAVIS, EDWARD Jay	0.0	510301	HAGEE, MILES Killion	0.0	427231
PENN, BRIAN A	0.0	512150	PENN, BRIAN A	0.0	512150	STANGL, TIMOTHY David Loui	0.0	333480

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1/25/13	*5*	*1*	*1/26/13*	*12*	*4*			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**		138 degF	
Job depth MD	12466. ft	**Job Depth TVD**		5299. ft	
Water Depth		**Wk Ht Above Floor**		10. ft	
Perforation Depth (MD)	**From**		**To**		

Job Times

	Date	Time	Time Zone
Called Out	25 - Jan - 2013	14:15	CST
On Location	25 - Jan - 2013	18:40	CST
Job Started	25 - Jan - 2013	00:00	CST
Job Completed	25 - Jan - 2013	00:00	CST
Departed Loc	25 - Jan - 2013	00:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5299.	12466.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	4898.	12466.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5299.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4898.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		0.00	bbl	8.3	.0	.0	.0	
2	50/50 POZ STANDARD W/ 2% EXTRA GEL	ECONOCEM (TM) SYSTEM (452992)	730.0	sacks	13.6	1.57	6.85		6.85
0.4 %		HALAD(R)-9, 50 LB (100001617)							
10 lbm		KOL-SEAL, BULK (100064233)							
2 %		BENTONITE, BULK (100003682)							
6.853 Gal		FRESH WATER							
3	Displacement		0.00	bbl	8.33	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement	157.2	Shut In: Instant		Lost Returns	0	Cement Slurry	730	Pad	
Top Of Cement	8391	5 Min		Cement Returns	0	Actual Displacement	155	*Treatment*	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	

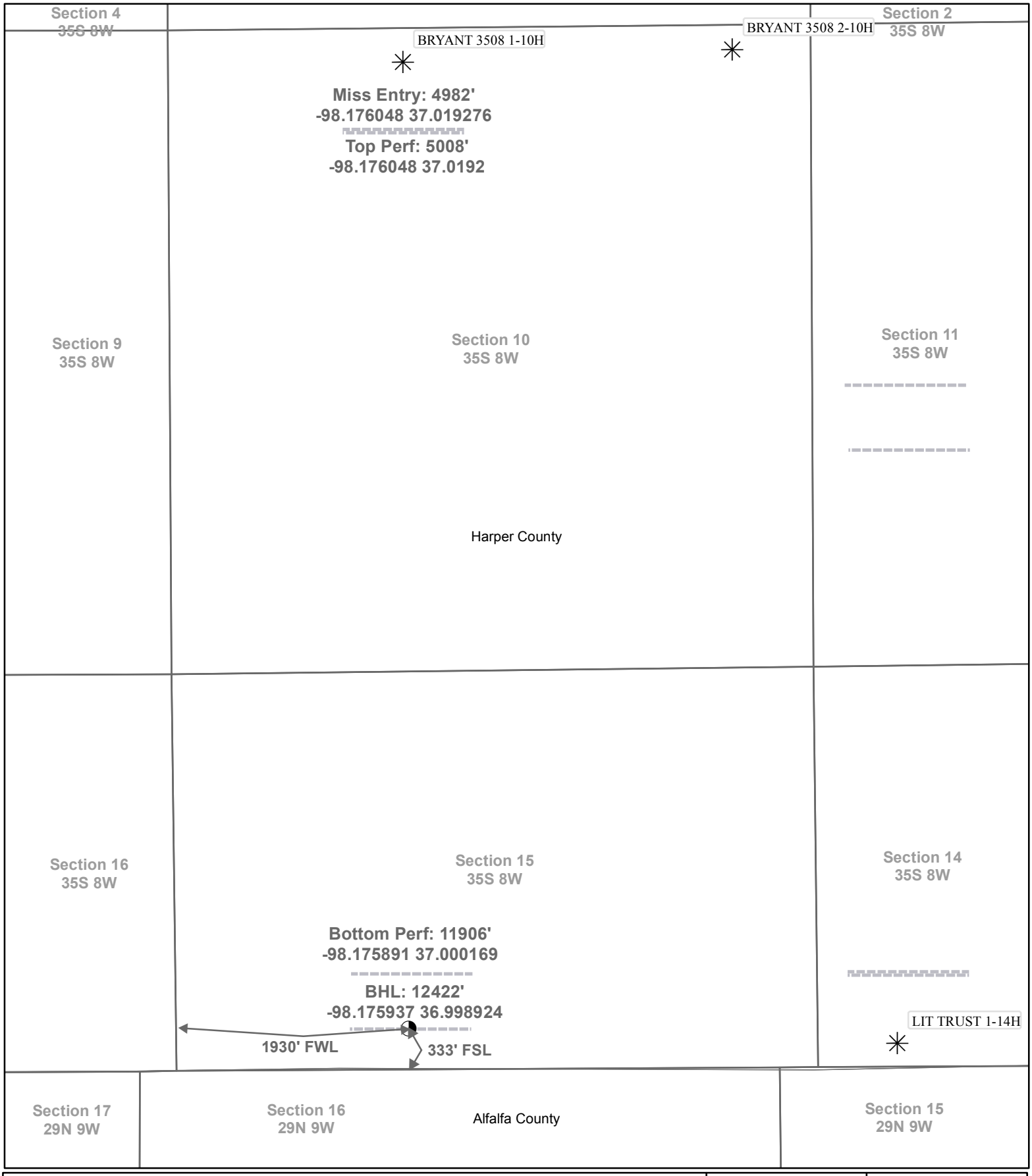
Rates

Circulating		Mixing	4.5	Displacement	5	Avg. Job	5

Cement Left In Pipe	Amount	91.86 ft	Reason	Shoe Joint

Frac Ring # 1 @		ID		Frac ring # 2 @		ID		Frac Ring # 3 @		ID		Frac Ring # 4 @		ID	

The Information Stated Herein Is Correct	Customer Representative Signature



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Bryant 3508 1-10H
Harper County, Kansas
T&R: 35S 8W
Section: 15, 1930' FWL & 333' FSL
Long/Lat:-98.175937 36.998924

1 in = 1,042 ft

0 750 1,500 3,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 4/9/2013
Drawing Name/Number: Addendum_Bryant_1-10H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	2/18/2013
State:	KS
County:	Harper
API Number:	15-077-21899
Operator Name:	SandRidge Expl. and Prod., LLC
Well Name and Number:	Bryant 3508 1-10H
Longitude:	-98.1757
Latitude:	37.0207
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	4,840
Total Water Volume (gal)*:	2,903,900

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent	Water (Including Mix Water Supplied by Client)*	-		95.06538%	
			Crystalline silica	14808-60-7	95.72793%	4.72380%	
			Hydrogen chloride	7647-01-0	2.78757%	0.13756%	
			Methanol	67-56-1	0.29850%	0.01473%	
			Distillates (petroleum), hydrotreated light	64742-47-8	0.29700%	0.01466%	
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.24750%	0.01221%	
			Ammonium chloride	12125-02-9	0.14231%	0.00702%	
			Alcohol, C11 linear, ethoxylated	34398-01-1	0.14195%	0.00700%	
			Alcohol, C9-C11, Ethoxylated	68439-46-3	0.09464%	0.00467%	
			Glutaraldehyde	111-30-8	0.07732%	0.00382%	
			Trisodium ortho phosphate	7601-54-9	0.02683%	0.00132%	
			Ethoxylated oleic acid	9004-96-0	0.02475%	0.00122%	
			Sodium erythorbate	6381-77-7	0.02186%	0.00108%	
			Sorbitan monooleate	1338-43-8	0.02166%	0.00107%	
			Sorbitol Tetraoleate	61723-83-9	0.01547%	0.00076%	
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01381%	0.00068%	
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.01287%	0.00064%	
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.01275%	0.00063%	
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.01275%	0.00063%	
			Fatty acids, tall-oil	61790-12-3	0.01015%	0.00050%	
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00835%	0.00041%	

			Ethane-1,2-diol	107-21-1	0.00764%	0.00038%	
			C14 alpha olefin ethoxylate	84133-50-6	0.00681%	0.00034%	
			2-Propenoic acid, ammonium salt	10604-69-0	0.00619%	0.00031%	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00389%	0.00019%	
			Prop-2-yn-1-ol	107-19-7	0.00259%	0.00013%	
			Alkenes, C>10 a-	64743-02-8	0.00173%	0.00009%	
			Ethanol	64-17-5	0.00166%	0.00008%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Remarks

Tiffany Golay 04/09/013 08:33 am	Production Liner Setting Depth: 12,422'
Tiffany Golay 04/08/013 02:54 pm	TMD 12,422'
Tiffany Golay 01/25/013 02:12 pm	TVD: 4,840