

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMLC065863

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

AUG 03 2015

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other: UNKNOWN OTH

8. Well Name and No.
ZIA AGI 1

2. Name of Operator
DCP MIDSTREAM LP
Contact: TOM SHARP
E-Mail: tsharp@geolex.com

RECEIVED

9. API Well No.
30-025-42208-00-X1

3a. Address
370 17TH STREET SUITE 2500
DENVER, CO 80208 5406

3b. Phone No. (include area code)
Ph: 505-842-8000

10. Field and Pool, or Exploratory
AGI

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 19 T19S R32E Lot 3 2100FSL 950FWL
32.644599 N Lat, 103.811145 W Lon

11. County or Parish, and State
LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

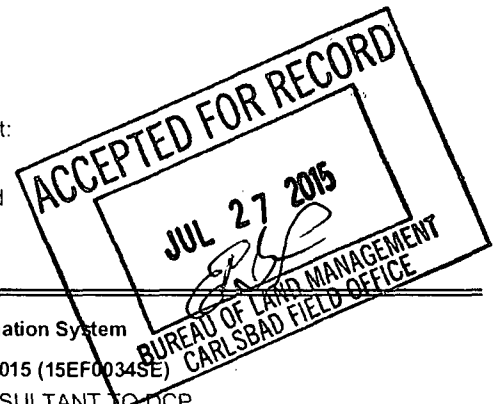
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The ZIA AGI#1 updated bottom hole survey conducted on January 26, 2015 by Schlumberger indicates ZIA AGI#1 enters the injection zone at approximately 5,586?TVD at the following location:
Section 19, T19S, R32E, 2,291?FNL, 753?FWL

The survey indicates the bottom of ZIA AGI#1 is at 6,325?TVD located at:
Section 19, T19S, R32E, 2,099?FNL, 862?FWL

The planned TVD approved by the APD and C-103 for ZIA AGI#1 was 6,200?TVD located at:
Section 19, T19S, R32E, 2,305?FNL and 750?FSL

The actual surveyed location of the top of the injection zone is 14?N and 3?W of the planned location documented in the APD and C-103.



14. I hereby certify that the foregoing is true and correct.

Electronic Submission #295287 verified by the BLM Well Information System
For DCP MIDSTREAM LP, sent to the Hobbs
Committed to AFMSS for processing by ED FERNANDEZ on 03/23/2015 (15EF0034SE)

Name (Printed/Typed) TOM SHARP

Title GEOLEX CONSULTANT TO DCP

Signature (Electronic Submission)

Date 03/17/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**

EDWARD FERNANDEZ
Title PETROLEUM ENGINEER

Date 07/27/2015

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

AUG 12 2015

Schlumberger

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

March 3, 2015

PB Energy Storage Services "A Parsons Brinckerhoff Company"

16200 Park Row, Ste 200

Houston, TX 77084

Attention: Russell E. Bentley

Re:

CLIENT: PB Energy Storage Services

WELL: Zia AGI 1H

FIELD: NM Lea County (NAD 83)

RIG: PD 170

COUNTY: Lea

API NO: 30-025-42208

JOB NO: NM-PAT-0007

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Justin Peters FST I	Zia AGI 1H Original Hole	5030.00 Ft to 6272.00 Ft	January 3, 2015 to January 5, 2015	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.

Sincerely,



Marcus L. Williams
Field Service Manager

CC: PB Energy Storage Services

Enclosures: [2]

County of Lea

State of New Mexico

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

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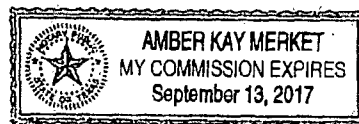
I, Justin Peters certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of January 03, 2015 through January 05, 2015, conduct or supervise the taking of the SlimPulse surveys from a depth of 5030.00 feet to a depth of 6272.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of PB Energy Storage Services for the Zia AGL 1H Well (Original Hole) API No. 30-025-42208 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.


Justin Peters
FST I

Before me, Amber Kay Merket, on this day personally appeared Marcus Williams, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 03 day of 2015 (year).

Amber Kay Merket
Notary Public



Subsurface Zia AGI #1 Gyro+MWD Off to Update Survey Report

(Non-Def Survey)

Report Date:	January 26, 2015 - 04:11 AM	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	Zia	Vertical Section Azimuth:	355.543 ° (Grid North)
Field:	NM Lea County (NAD 83)	Vertical Section Origin:	0,000 ft, 0,000 ft
Structure / Slot:	Subsurface Zia AGI #1 / AGI #1	TVD Reference Datum:	RKB
Well:	Subsurface Zia AGI #1	TVD Reference Elevation:	3572.000 ft above MSL
Borehole:	Original Borehole	Seabed / Ground Elevation:	3547.000 ft above MSL
UWI / API#:	Unknown / Unknown	Magnetic Declination:	7.530 °
Survey Name:	Subsurface Zia AGI #1 Gyro+MWD Off to Update	Total Gravity Field Strength:	998,5064mgm (9,80665 Based)
Survey Date:	January 03, 2015	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	67.432 ° / 1183.783 ft / 4.914 / 0.192	Total Magnetic Field Strength:	48645.384 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	60.656 °
Location Lat / Long:	N 32° 38' 40.25280", W 103° 48' 40.02301"	Declination Date:	January 03, 2015
Location Grid N/E Y/X:	N 596800.500 ftUS, E 702076.500 ftUS	Magnetic Declination Model:	HOGM 2014
CRS Grid Convergence Angle:	0.2817 °	North Reference:	Grid North
Grid Scale Factor:	0.99993888	Grid Convergence Used:	0.2817 °
Version / Patch:	2.8.551.0	Total Corr Mag North->Grid North:	7.2479 °
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	166.92M
	100.00	0.38	166.92	100.00	-0.33	-0.32	0.08	0.33	166.92	0.38	159.1M
	200.00	0.40	159.10	200.00	-0.99	-0.97	0.27	1.01	164.23	0.06	163.34M
	300.00	0.42	163.34	299.99	-1.66	-1.65	0.50	1.72	163.00	0.04	157.69M
	400.00	0.20	157.69	399.99	-2.21	-2.16	0.68	2.27	162.65	0.22	20.04M
	500.00	0.08	20.04	499.99	-2.31	-2.26	0.77	2.38	161.27	0.26	356.7M
	600.00	0.28	356.70	599.99	-2.00	-1.95	0.78	2.10	156.29	0.21	1.68M
	700.00	0.35	1.68	699.99	-1.45	-1.40	0.77	1.60	151.16	0.09	24.05M
	800.00	0.44	24.05	799.99	-0.81	-0.74	0.94	1.20	128.45	0.18	34.96M
	900.00	0.47	34.96	899.99	-0.16	-0.06	1.33	1.33	92.43	0.09	38.92M
	1000.00	0.49	38.92	999.98	0.47	0.61	1.83	1.93	71.51	0.04	43.65M
	1100.00	0.51	43.65	1099.98	1.08	1.27	2.41	2.72	62.23	0.05	38.86M
	1200.00	0.50	38.86	1199.97	1.69	1.93	2.99	3.56	57.13	0.05	33.62M
	1300.00	0.50	33.62	1299.97	2.35	2.63	3.50	4.38	53.04	0.04	38.03M
	1400.00	0.56	38.03	1399.97	3.06	3.38	4.04	5.27	50.09	0.07	45.48M
	1500.00	0.74	45.46	1499.96	3.83	4.22	4.80	6.39	48.71	0.20	54.91M
	1600.00	1.25	54.91	1599.94	4.81	5.30	6.16	8.12	49.28	0.53	57.53M
	1700.00	1.83	57.53	1699.91	6.11	6.78	8.40	10.80	51.06	0.58	59.82M
	1800.00	2.18	59.82	1799.85	7.69	8.60	11.39	14.27	52.95	0.36	59.21M
	1900.00	2.31	59.21	1899.77	9.41	10.59	14.76	18.17	54.36	0.13	44.97M
	2000.00	2.65	44.97	1999.68	11.80	13.25	18.13	22.46	53.83	0.70	6.04M
	2100.00	5.49	6.04	2099.43	18.01	19.65	20.27	28.23	45.89	3.81	355.77M
	2200.00	9.20	355.77	2199.60	30.72	32.38	20.18	38.16	31.93	3.92	55.38L
	2300.00	11.82	340.10	2296.93	48.59	49.99	16.10	52.52	17.85	3.85	130.7L
	2400.00	10.12	327.06	2395.11	66.19	67.00	7.84	67.46	8.67	3.00	141.37L
	2500.00	9.09	321.64	2493.71	80.47	80.57	-1.84	80.59	358.69	1.37	23.88R
	2600.00	10.29	324.58	2592.29	94.68	94.04	-11.92	94.79	352.78	1.30	37.43R
	2700.00	12.26	331.39	2690.36	112.03	110.64	-22.18	112.84	348.66	2.37	52.42R
	2800.00	12.82	334.56	2787.97	132.08	129.98	-32.03	133.87	348.16	0.89	178.85L
	2900.00	12.70	334.53	2885.50	152.70	149.92	-41.53	155.57	344.52	0.12	158.53L
	3000.00	12.55	334.23	2983.08	173.08	169.63	-50.98	177.13	343.27	0.16	94.57R
	3100.00	12.52	341.29	3080.71	193.71	189.68	-59.18	198.70	342.67	1.53	45.48R
	3200.00	14.08	347.49	3178.02	216.26	211.83	-65.29	221.66	342.87	2.11	37.5R
	3300.00	16.43	353.63	3274.50	242.44	237.76	-69.49	247.71	343.71	2.85	22.65L
	3400.00	16.72	353.21	3370.35	270.95	266.10	-72.76	275.87	344.71	0.31	83.31L
	3500.00	16.98	347.74	3466.06	299.79	294.66	-77.57	304.89	345.25	1.61	73.82L
	3600.00	17.42	343.25	3561.59	328.89	323.26	-84.98	334.24	345.27	1.40	116.11L
	3700.00	16.91	339.42	3657.14	357.46	351.21	-94.41	363.68	344.95	1.24	154.84L
	3800.00	15.28	336.48	3753.22	383.91	378.91	-104.78	391.20	344.48	1.82	92.53R
	3900.00	15.27	337.56	3849.69	408.89	401.16	-115.06	417.34	344.00	0.29	177.2L
	4000.00	15.11	337.53	3946.19	433.81	425.38	-125.07	443.38	343.62	0.16	57.59L
	4100.00	15.16	337.23	4042.72	458.62	449.48	-135.11	469.35	343.27	0.09	162.68R
	4300.00	14.80	337.67	4235.93	507.76	497.22	-154.94	520.80	342.69	0.19	1.85R
	4400.00	15.46	337.75	4332.46	532.61	521.37	-164.84	546.81	342.45	0.68	1.24R
	4500.00	16.51	337.83	4428.59	558.83	546.87	-175.25	574.26	342.23	1.05	0.63L
	4600.00	17.32	337.80	4524.26	588.55	573.81	-186.24	603.27	342.02	0.81	8.46L
	4700.00	17.92	337.51	4619.57	615.35	601.81	-197.75	633.46	341.81	0.61	31.23L
	4800.00	18.22	336.83	4714.64	644.80	630.40	-209.76	664.38	341.60	0.35	16.31L
	4900.00	18.36	336.60	4809.59	674.53	659.26	-222.09	695.66	341.36	0.15	21.09R
	4915.00	18.60	337.09	4823.81	679.03	663.64	-223.95	700.40	341.35	1.71	135.96L
Last Gyro Survey	4930.00	18.45	336.63	4938.04	683.55	668.02	-225.82	705.16	341.32	1.40	107.04R
BHA 05	5030.00	17.90	343.92	4933.06	713.57	697.32	-236.36	736.28	341.28	2.34	88.71R
	5123.00	19.62	354.67	5021.14	743.20	726.61	-241.77	765.77	341.60	4.14	93.43R
	5216.00	19.71	5.07	5108.75	774.28	757.78	-241.83	795.44	342.30	3.76	98.52R
	5309.00	19.49	15.62	5196.38	804.33	788.36	-236.27	823.00	343.32	3.81	76.92R
	5401.00	20.33	23.73	5282.90	832.84	817.77	-225.70	848.35	344.57	3.14	51.82R
	5493.00	21.03	26.15	5368.97	861.13	847.22	-211.99	873.34	345.95	1.20	188.85R
	5586.00	20.19	26.63	5456.02	889.24	876.55	-197.45	898.51	347.31	0.92	168.01R
	5678.00	18.91	27.47	5542.72	915.49	903.97	-183.45	922.39	348.53	1.42	129.73R
	5770.00	18.52	28.97	5629.85	940.34	929.98	-169.50	945.30	349.67	0.67	159.4R
	5863.00	17.50	30.25	5718.29	964.16	954.96	-155.30	967.52	350.76	1.16	156.76R
	5955.00	16.88	31.17	5806.18	986.39	978.36	-141.42	988.53	351.78	0.74	38.55L
	6047.00	17.90	28.57	5893.98	1009.10	1002.20	-127.74	1010.31	352.74	1.39	42.21L
	6140.00	18.59	26.37	5982.28	1033.88	1028.11	-114.29	1034.44	353.66	1.13	143.29R
	6232.00	18.52	26.77	6069.47	1059.03	1054.36	-101.16	1059.20	354.52	0.23	145.13L
TD Survey	6272.00	18.38	26.48	6107.42	1069.87	1065.68	-95.49	1069.95	354.88	0.43	HS
PBHL	6325.00	18.38	26.46	6157.71	1084.21	1080.84	-89.04	1084.22	355.34	0.00	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (%/100ft)	TF (°)
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Survey Type: Non-Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/96 425	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD 0ft to Update
	1	25.000	25.000	Act Sns	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD 0ft to Update
	1	25.000	6325.000	Act Sns	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD 0ft to Update



Reservoir Development
Drilling & Measurements (Extreme Engineering)
6724 Corporation Pkwy Suite 100
Fort Worth, TX 76126
Phone: (817) 717-1820
Fax: (817) 546-7551

March 3, 2015

PB Energy Storage Services "A Parsons Brinckerhoff Company"
16200 Park Row, Ste 200
Houston, TX 77084

Attention: Russell E. Bentley

Re:

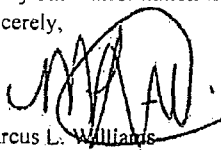
CLIENT: PB Energy Storage Services
WELL: Zia AGI 1H
FIELD: NM Lea County (NAD 83)
RIG: PD 170
COUNTY: Lea
API NO: 30-025-42208
JOB NO: NM-PAT-0007

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Justin Peters FST I	Zia AGI 1H Original Hole	5030.00 Ft to 6272.00 Ft	January 3, 2015 to January 5, 2015	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.
Sincerely,


Marcus L. Williams
Field Service Manager

CC: PB Energy Storage Services
Enclosures: [2]
County of Lea
State of New Mexico

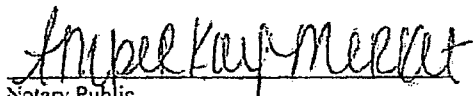
Reservoir Development
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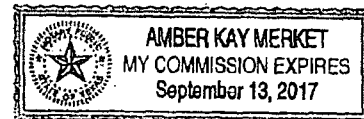
I, Justin Peters certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of January 03, 2015 through January 05, 2015, conduct or supervise the taking of the SlimPulse surveys from a depth of 5030.00 feet to a depth of 6272.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of PB Energy Storage Services for the Zia AGI 1H Well (Original Hole) API No. 30-025-42208 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.


Justin Peters
FST I

Before me, Amber Kay Merket, on this day personally appeared Marcell Williams, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this March 3 day of 2015, (year).


Notary Public



Subsurface Zia AGI #1 Gyro+MWD 0ft to Update Survey Report

(Non-Def Survey)

Report Date: January 28, 2015 - 04:11 AM
 Client: Zia
 Field: NM Lea County (NAD 83)
 Structure / Slot: Subsurface Zia AGI #1 / AGI # 1
 Well: Subsurface Zia AGI #1
 Borehole: Original Borehole
 UWI / APH: Unknown / Unknown
 Survey Name: Subsurface Zia AGI #1 Gyro+MWD 0ft to Update
 Survey Date: January 03, 2015
 Tor / AHD / DDI / ERD Ratio: 67.432° / 1183.783 R / 4.914 / 0.192
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 38' 40.25280", W 103° 48' 40.02301"
 Location Grid N/E Y/X: N 598800.500 HUS, E 702078.500 HUS
 CRS Grid Convergence Angle: 0.2817°
 Grid Scale Factor: 0.99993888
 Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 355.543° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3572.000 ft above MSL
 Seabed / Ground Elevation: 3547.000 ft above MSL
 Magnetic Declination: 7.530°
 Total Gravity Field Strength: 998.5064mgm (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48645.384 nT
 Magnetic Dip Angle: 60.656°
 Declination Date: January 03, 2015
 Magnetic Declination Model: HDGM 2014
 North Reference: Grid North
 Sub: 0.2817°
 Total Corr Mag North→Grid North: 7.2479°
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	168.92M
	100.00	0.38	168.92	100.00	-0.33	-0.32	0.08	0.33	166.92	0.38	159.1M
	200.00	0.40	159.10	200.00	-0.99	-0.97	0.27	1.01	164.23	0.06	163.34M
	300.00	0.42	163.34	299.99	-1.68	-1.65	0.50	1.72	163.00	0.04	157.69M
	400.00	0.20	157.69	399.99	-2.21	-2.16	0.68	2.27	162.65	0.22	20.04M
	500.00	0.08	20.04	499.99	-2.31	-2.26	0.77	2.38	161.27	0.26	356.7M
	600.00	0.28	356.70	599.99	-2.00	-1.95	0.78	2.10	158.29	0.21	1.88M
	700.00	0.35	1.68	699.99	-1.45	-1.40	0.77	1.80	151.16	0.08	24.05M
	800.00	0.44	24.05	799.99	-0.81	-0.74	0.94	1.20	128.45	0.18	34.96M
	900.00	0.47	34.96	899.99	-0.16	-0.06	1.33	1.33	92.43	0.09	38.92M
	1000.00	0.49	38.92	999.98	0.47	0.61	1.93	1.93	71.51	0.04	43.65M
	1100.00	0.51	43.65	1099.98	1.08	1.27	2.41	2.72	62.23	0.05	38.66M
	1200.00	0.50	38.66	1199.97	1.89	1.93	2.99	3.56	57.13	0.05	33.62M
	1300.00	0.50	33.62	1299.97	2.35	2.63	3.50	4.38	53.04	0.04	36.03M
	1400.00	0.56	36.03	1399.97	3.06	3.38	4.04	5.27	50.09	0.07	45.46M
	1500.00	0.74	45.46	1499.96	3.93	4.22	4.80	6.39	48.71	0.20	54.91M
	1600.00	1.25	54.91	1599.94	4.81	5.30	6.16	8.12	49.28	0.53	57.53M
	1700.00	1.83	57.53	1699.91	6.11	6.78	8.40	10.80	51.06	0.58	59.82M
	1800.00	2.18	59.82	1799.85	7.68	8.60	11.39	14.27	52.95	0.36	59.21M
	1900.00	2.31	59.21	1899.77	9.41	10.59	14.76	18.17	54.36	0.13	44.97M
	2000.00	2.85	44.97	1999.68	11.80	13.25	18.13	22.48	53.83	0.70	6.04M
	2100.00	5.49	6.04	2099.43	18.01	19.65	20.27	28.23	45.89	3.81	355.77M
	2200.00	9.20	355.77	2198.60	30.72	32.38	20.18	38.16	31.93	3.92	55.38L
	2300.00	11.82	340.10	2296.83	48.59	49.99	16.10	52.52	17.85	3.85	130.7L
	2400.00	10.12	327.06	2395.11	66.19	67.00	7.84	67.48	6.67	3.00	141.37L
	2500.00	9.09	321.64	2493.71	80.47	80.57	-1.84	80.59	358.69	1.37	23.86R
	2600.00	10.29	324.58	2592.29	94.68	94.04	-11.92	94.79	352.78	1.30	37.43R
	2700.00	12.26	331.39	2690.36	112.03	110.64	-22.18	112.84	348.66	2.37	52.42R
	2800.00	12.82	334.56	2787.97	132.08	129.98	-32.03	133.87	346.16	0.89	176.05L
	2900.00	12.70	334.53	2885.50	152.70	149.92	-41.53	155.57	344.52	0.12	158.53L
	3000.00	12.55	334.23	2983.08	173.08	169.63	-50.98	177.13	343.27	0.16	94.57R
	3100.00	12.52	341.29	3080.71	193.71	189.68	-59.18	198.70	342.67	1.53	45.48R
	3200.00	14.08	347.49	3178.02	216.26	211.83	-65.29	221.66	342.67	2.11	37.5R
	3300.00	16.43	353.63	3274.50	242.44	237.76	-69.49	247.71	343.71	2.85	22.65L
	3400.00	16.72	353.21	3370.35	270.95	266.10	-72.76	275.87	344.71	0.31	83.31L
	3500.00	16.98	347.74	3466.06	299.79	294.66	-77.57	304.89	345.25	1.61	73.82L
	3600.00	17.42	343.25	3561.59	328.89	323.26	-84.98	334.24	345.27	1.40	116.11L
	3700.00	16.91	339.42	3657.14	357.48	351.21	-94.41	363.88	344.95	1.24	154.04L
	3800.00	15.28	336.48	3753.22	383.91	376.91	-104.78	391.20	344.48	1.82	92.53R
	3900.00	15.27	337.56	3849.69	408.89	401.16	-115.06	417.34	344.00	0.28	177.2L
	4000.00	15.11	337.53	3946.19	433.81	425.36	-125.07	443.38	343.92	0.16	57.59L
	4100.00	15.16	337.23	4042.72	458.82	449.48	-135.11	469.35	343.27	0.09	162.68R
	4200.00	14.80	337.67	4139.33	507.78	497.22	-154.94	520.80	342.59	0.19	1.85R
	4300.00	15.48	337.75	4235.93	532.61	521.37	-164.84	546.81	342.45	0.66	1.24R
	4400.00	15.51	337.63	4332.46	558.83	546.87	-175.25	574.26	342.23	1.05	0.63L
	4500.00	17.32	337.60	4428.59	588.55	573.81	-186.24	603.27	342.02	0.81	8.46L
	4600.00	17.92	337.51	4524.28	615.35	601.61	-197.75	633.48	341.81	0.81	31.23L
	4700.00	18.22	336.93	4619.64	644.80	630.40	-209.76	664.38	341.60	0.35	16.31L
	4800.00	18.38	336.60	4714.64	674.53	659.26	-222.09	695.66	341.38	0.15	21.09R
	4900.00	18.60	337.09	4809.59	679.03	663.64	-223.95	700.40	341.35	1.71	135.96L
	4930.00	18.45	336.63	4836.04	683.55	668.02	-225.82	705.16	341.32	1.40	107.04R
	5030.00	17.90	343.82	4933.06	713.57	697.32	-236.36	736.28	341.29	2.34	68.71R
	5123.00	19.62	354.67	5021.14	743.20	726.61	-241.77	765.77	341.60	4.14	93.43R
	5218.00	19.71	5.07	5108.75	774.28	757.78	-241.83	795.44	342.30	3.76	98.52R
	5309.00	19.49	15.62	5196.38	804.33	788.36	-236.27	823.00	343.32	3.91	76.92R
	5401.00	20.33	23.73	5282.90	832.84	817.77	-225.70	848.35	344.57	3.14	51.82R
	5493.00	21.03	26.15	5368.97	861.13	847.22	-211.99	873.34	345.95	1.20	168.55R
	5586.00	20.19	26.63	5456.02	889.24	876.55	-197.45	898.51	347.31	0.92	168.01R
	5678.00	18.91	27.47	5542.72	915.48	903.97	-183.45	922.39	348.53	1.42	128.73R
	5770.00	18.52	28.97	5629.85	940.34	929.98	-169.50	945.30	349.67	0.67	159.4R
	5863.00	17.50	30.25	5718.29	964.18	954.98	-155.30	967.52	350.76	1.18	158.76R
	5955.00	18.88	31.17	5806.18	986.39	978.36	-141.42	988.53	351.78	0.74	36.55L
	6047.00	17.90	28.57	5893.88	1009.10	1002.20	-127.74	1010.31	352.74	1.39	42.21L
	6140.00	18.69	26.37	5982.28	1033.88	1028.11	-114.29	1034.44	353.66	1.13	143.29R
	6232.00	18.52	26.77	6069.47	1059.03	1054.36	-101.16	1059.20	354.52	0.23	145.13L
	6272.00	18.38	26.46	6107.42	1069.87	1065.68	-95.49	1069.85	354.89	0.43	HS
	6325.00	18.38	26.46	6157.71	1084.21	1080.64	-88.04	1084.22	355.34	0.00	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (ft/100ft)	TF (°)
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Survey Type: Non-Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	ECU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD Off to Update
	1	25.000	25.000	Act Stns	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD Off to Update
	1	25.000	6325.000	Act Stns	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD Off to Update



Reservoir Development
Drilling & Measurements (Extreme Engineering)
6724 Corporation Pkwy Suite 100
Fort Worth, TX 76126
Phone: (817) 717-1820
Fax: (817) 546-7551

March 3, 2015

PB Energy Storage Services "A Parsons Brinckerhoff Company"
16200 Park Row, Ste 200
Houston, TX 77084

Attention: Russell E. Bentley

Re:

CLIENT: PB Energy Storage Services
WELL: Zia AGI 1H
FIELD: NM Lea County (NAD 83)
RIG: PD 170
COUNTY: Lea
API NO: 30-025-42208
JOB NO: NM-PAT-0007

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation (P-5 No. 754900).
Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Justin Peters FST I	Zia AGI 1H Original Hole	5030.00 Ft to 6272.00 Ft	January 3, 2015 to January 5, 2015	SlimPulse

A plat of the bottom hole location is oriented both to the surface location and to the lease lines (or until line in case of pooling), is attached to the survey report.

If any other information is required, please contact the undersigned at the above letterhead and phone number.

Sincerely,

Marcus L. Williams
Field Service Manager

CC: PB Energy Storage Services
Enclosures: [2]
County of Lea
State of New Mexico

Reservoir Development

Drilling & Measurements (Extreme Engineering)

6724 Corporation Pkwy Suite 100

Fort Worth, TX 76126

Phone: (817) 717-1820

Fax: (817) 546-7551

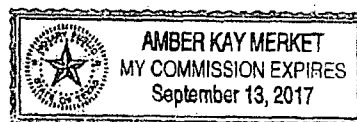
I, Justin Peters certify that; I am employed by Drilling & Measurements (formerly Extreme), a division of Schlumberger Technology Corporation; that I did on the day(s) of January 03, 2015 through January 05, 2015, conduct or supervise the taking of the SlimPulse surveys from a depth of 5030.00 feet to a depth of 6272.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of PB Energy Storage Services for the Zia AGI 1H Well (Original Hole) API No. 30-025-42208 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.


Justin Peters
FST I

Before me, Amber Kay Merket, on this day personally appeared Marcel Williams, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this March 3 day of 2015 (year).

Amber Kay Merket
Notary Public



Subsurface Zia AGI #1 Gyro+MWD 0ft to Update Survey Report

(Non-Def Survey)

Report Date: January 26, 2015 - 04:11 AM
 Client: Zia
 Field: NM Lea County (NAD 83)
 Structure / Slot: Subsurface Zia AGI #1 / AGI # 1
 Well: Subsurface Zia AGI #1
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Subsurface Zia AGI #1 Gyro+MWD 0ft to Update
 Survey Date: January 03, 2015
 Tort / AHD / DDI / ERD Ratio: 67.432 * / 1183,763 ft / 4,914 / 0.192
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 38' 40.25280", W 103° 48' 40.02301"
 Location Grid N/E Y/X: N 598600,500 RUS, E 702075,500 RUS
 CRS Grid Convergence Angle: 0.2817 °
 Grid Scale Factor: 0.99993868
 Version / Patch: 2.8.551.0

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 355,543 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3572.000 ft above MSL
 Seabed / Ground Elevation: 3547.000 ft above MSL
 Magnetic Declination: 7.530 °
 Total Gravity Field Strength: 998.5064mgm (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 48845.384 nT
 Magnetic Dip Angle: 80.656 °
 Declination Date: January 03, 2015
 Magnetic Declination Model: HDGM 2014
 North Reference: Grid North
 Grid Convergence Used: 0.2817 °
 Total Corr Mag North->Grid North: 7.2479 °
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	166.92M
	100.00	0.38	166.92	100.00	-0.33	-0.32	0.06	0.33	166.92	0.38	159.1M
	200.00	0.40	159.10	200.00	-0.99	-0.97	0.27	1.01	164.23	0.06	163.34M
	300.00	0.42	163.34	299.99	-1.68	-1.65	0.50	1.72	163.00	0.04	157.69M
	400.00	0.20	157.69	399.99	-2.21	-2.18	0.88	2.27	162.65	0.22	20.04M
	500.00	0.08	20.04	499.99	-2.31	-2.26	0.77	2.38	161.27	0.26	356.7M
	600.00	0.28	356.70	599.99	-2.00	-1.95	0.78	2.10	158.29	0.21	1.68M
	700.00	0.35	1.68	699.99	-1.45	-1.40	0.77	1.60	151.16	0.08	24.05M
	800.00	0.44	24.05	799.99	-0.81	-0.74	0.94	1.20	128.45	0.18	34.96M
	900.00	0.47	34.96	899.99	-0.16	-0.06	1.33	1.33	92.43	0.09	38.92M
	1000.00	0.49	38.92	999.98	0.47	0.61	1.83	1.93	71.51	0.04	43.65M
	1100.00	0.51	43.65	1099.98	1.08	1.27	2.41	2.72	82.23	0.05	39.68M
	1200.00	0.50	38.66	1199.97	1.69	1.93	2.99	3.56	57.13	0.05	33.62M
	1300.00	0.50	33.62	1299.97	2.35	2.63	3.50	4.38	53.04	0.04	38.03M
	1400.00	0.56	38.03	1399.97	3.06	3.38	4.04	5.27	50.09	0.07	45.46M
	1500.00	0.74	45.46	1499.96	3.83	4.22	4.80	6.39	48.71	0.20	54.91M
	1600.00	1.25	54.91	1599.94	4.81	5.30	6.16	8.12	49.28	0.53	57.53M
	1700.00	1.83	57.53	1699.91	6.11	6.76	8.40	10.80	51.06	0.58	59.82M
	1800.00	2.18	59.82	1799.85	7.69	8.60	11.39	14.27	52.95	0.36	59.21M
	1900.00	2.31	59.21	1899.77	9.41	10.59	14.76	18.17	54.36	0.13	44.97M
	2000.00	2.65	44.97	1999.68	11.80	13.25	18.13	22.46	53.83	0.70	6.04M
	2100.00	5.49	6.04	2099.43	18.01	19.65	20.27	28.23	45.89	3.81	355.77M
	2200.00	9.20	355.77	2198.60	30.72	32.38	20.18	38.16	31.93	3.92	55.38L
	2300.00	11.82	340.10	2296.93	48.59	49.99	16.10	52.52	17.85	3.85	130.7L
	2400.00	10.12	327.06	2395.11	66.19	67.00	7.84	67.46	6.67	3.00	141.37L
	2500.00	9.09	321.64	2493.71	80.47	80.57	-1.84	80.59	358.69	1.37	23.86R
	2600.00	10.29	324.58	2592.29	94.68	94.04	-11.92	94.79	352.78	1.30	37.43R
	2700.00	12.26	331.39	2690.36	112.03	110.84	-22.18	112.84	348.66	2.37	52.42R
	2800.00	12.82	334.56	2787.97	132.08	129.98	-32.03	133.87	346.16	0.89	176.85L
	2900.00	12.70	334.53	2885.50	152.70	149.92	-41.53	155.57	344.52	0.12	158.53L
	3000.00	12.55	334.23	2983.08	173.08	169.63	-50.98	177.13	343.27	0.16	94.57R
	3100.00	12.52	341.29	3080.71	193.71	189.68	-59.18	198.70	342.67	1.53	45.45R
	3200.00	14.08	347.49	3178.02	216.26	211.83	-65.29	221.66	342.87	2.11	37.5R
	3300.00	16.43	353.63	3274.50	242.44	237.76	-69.49	247.71	343.71	2.85	22.65L
	3400.00	15.72	353.21	3370.35	270.95	270.95	-72.76	275.87	344.71	0.31	83.31L
	3500.00	16.98	347.74	3466.06	299.79	294.68	-77.57	304.69	345.25	1.61	73.82L
	3600.00	17.42	343.25	3561.59	328.89	323.26	-84.98	334.24	345.27	1.40	116.11L
	3700.00	16.91	339.42	3657.14	357.48	351.21	-94.41	363.66	344.95	1.24	154.84L
	3800.00	15.28	336.48	3753.22	383.91	376.91	-104.78	391.20	344.46	1.82	92.53R
	3900.00	15.27	337.56	3849.69	408.89	401.16	-115.06	417.34	344.00	0.26	177.2L
	4000.00	15.11	337.53	3946.19	433.81	425.38	-125.07	443.38	343.62	0.16	57.59L
	4100.00	15.18	337.23	4042.72	458.62	449.48	-135.11	469.35	343.27	0.09	162.68R
	4200.00	14.80	337.87	4235.93	507.76	497.22	-154.94	520.80	342.69	0.19	1.85R
	4300.00	15.46	337.75	4332.46	532.61	521.37	-164.84	546.81	342.45	0.68	1.24R
	4400.00	16.51	337.83	4428.59	558.83	546.87	-175.25	574.26	342.23	1.05	0.63L
	4500.00	17.32	337.80	4524.26	586.55	573.81	-186.24	603.27	342.02	0.81	8.46L
	4600.00	17.92	337.51	4619.57	615.35	601.81	-197.75	633.46	341.81	0.61	31.23L
	4700.00	18.22	336.93	4714.84	644.80	630.40	-209.76	664.38	341.60	0.35	16.31L
	4800.00	18.36	336.80	4809.59	674.53	659.26	-222.09	695.66	341.38	0.15	21.09R
	4915.00	18.60	337.09	4823.81	679.03	663.64	-223.95	700.40	341.35	1.71	135.96L
Last Gyro Survey BHA 06	4930.00	18.45	336.63	4838.04	683.55	668.02	-225.82	705.16	341.32	1.40	107.04R
	5030.00	17.90	343.92	4933.06	713.57	697.32	-238.36	736.28	341.28	2.34	88.71R
	5123.00	19.62	354.87	5021.14	743.20	726.61	-241.77	765.77	341.60	4.14	93.43R
	5216.00	19.71	5.07	5108.75	774.28	757.78	-241.83	795.44	342.30	3.76	98.52R
	5309.00	19.49	15.82	5196.38	804.33	788.36	-236.27	823.00	343.32	3.81	76.92R
	5401.00	20.33	23.73	5282.90	832.84	817.77	-225.70	848.35	344.57	3.14	51.82R
	5493.00	21.03	26.15	5368.87	861.13	847.22	-211.99	873.34	345.95	1.20	168.85R
	5586.00	20.19	26.63	5456.02	889.24	878.55	-197.45	898.51	347.31	0.92	168.01R
	5678.00	18.91	27.47	5542.72	915.49	903.97	-183.45	922.39	348.53	1.42	129.73R
	5770.00	18.52	28.97	5629.85	940.34	929.98	-169.50	945.30	349.67	0.87	159.4R
	5863.00	17.50	30.25	5718.29	964.16	954.96	-155.30	967.52	350.76	1.18	158.78R
	5955.00	16.88	31.17	5806.18	986.39	978.36	-141.42	988.53	351.76	0.74	38.55L
	6047.00	17.90	28.57	5893.98	1009.10	1002.20	-127.74	1010.31	352.74	1.39	42.21L
	6140.00	18.69	28.37	5982.28	1033.88	1028.11	-114.29	1034.44	353.66	1.13	143.29R
	6232.00	18.52	28.77	6069.47	1059.03	1054.38	-101.16	1059.20	354.52	0.23	145.13L
TD Survey PBHL	6272.00	18.38	28.46	6107.42	1069.87	1065.68	-95.49	1069.95	354.86	0.43	HS
	6325.00	18.38	28.46	6157.71	1084.21	1080.64	-88.04	1084.22	355.34	0.00	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (*/100ft)	TF (°)
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Survey Type: Non-Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	25.000	1/98.425	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD 0ft to Update
	1	25.000	25.000	Act Sins	30.000	30.000	SLB_NSG+MSHOT-Depth Only	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD 0ft to Update
	1	25.000	6325.000	Act Sins	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Subsurface Zia AGI #1 Gyro+MWD 0ft to Update