

Reservoir Development

Drilling & Measurements (Anadrill)

4301 SW 44th St

Oklahoma City, Oklahoma 73119 USA

Phone: (405) 682-2284

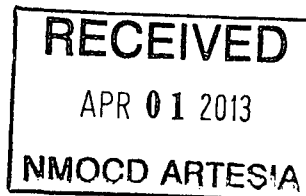
Fax: (405) 682-3937

February 6, 2013

Chevron U.S.A. Inc

15 Smith Road

Midland, TX 79705



Sec 15 T23S R28E EDDY NM
N 32.299 W 104.082

Re:

CLIENT: Chevron U.S.A. Inc
WELL: Heritage 2-15 2H
FIELD: Culebra Bluff, Bone Spring South
RIG: H&P 227
COUNTY: Eddy, New Mexico
API NO: 30-015-40818
JOB NO: 12MLD0594

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation.
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>
Nicholas Seprodi Field Engineer I	Heritage 2-15 2H Re Entry	5014.00 Ft to 12494.00 Ft	January 24, 2013 to February 3, 2013	SlimPulse

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

Jasem Alharer
Field Service Manager

Reservoir Development

Drilling & Measurements (Anadrill)

4301 SW 44th St

Oklahoma City, Oklahoma 73119 USA

Phone: (405) 682-2284

Fax: (405) 682-3937

Well Reference:

Sec 15 T23S R28E EDDY NM

N 32.299 W 104.082

I, Nicholas Seprodi certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of January 24, 2013 through February 03, 2013, conduct or supervise the taking of the SlimPulse surveys from a depth of 5014.00 feet to a depth of 12494.00 feet referenced to driller's depth; 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 Chevron U.S.A. Inc for the Heritage 2-15 2H Well (Re Entry) API No. 30-015-40818 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.

By

Nicholas Seprodi (signature)

Field Engineer I

Nicholas Seprodi

Subscribed and Sworn to before me this 26th day of February (month) 2013 (yr)

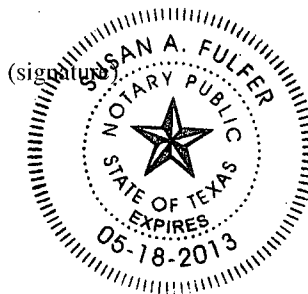
My Commission expires:

5-18-2013

Notary Public

Susan A. Fulfer
Midland Texas

(County State)



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 CLEZ
Revised August 1, 2011

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☐ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. Operator: CHEVRON U.S.A. INC. OGRID #: 4323
Address: 15 SMITH ROAD, MIDLAND, TEXAS 79705
Facility or well name: HERITAGE 215 #211 (NEW WELLS)
API Number: 30-015-40818 OCD Permit Number: 213594
U/L or Qtr/Qtr M. Section: 15 Township: 23S Range: 28E County: EDDY
Center of Proposed Design: Latitude _____ Longitude _____ NAD: ☐ 1927 ☐ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2. ☐ Closed-loop System: Subsection H of 19.15.17.11 NMAC
Operation: ☒ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A
☐ Above Ground Steel Tanks or ☐ Haul-off Bins

3. Signs: Subsection C of 19.15.17.11 NMAC
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
☐ Signed in compliance with 19.15.16.8 NMAC

RECEIVED
OCT 24 2012
NMOCD ARTESIA

4. Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Previously Approved Design (attach copy of design) API Number: _____
☐ Previously Approved Operating and Maintenance Plan API Number: _____

5. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.
Disposal Facility Name: CONTROLLED RECOVERY INC. (CRI) Disposal Facility Permit Number: R9166-NM-01-0006
Disposal Facility Name: _____ Disposal Facility Permit Number: _____
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☐ No
Required for impacted areas which will not be used for future service and operations:
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6. Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): DENISE PINKERTON Title: REGULATORY SPECIALIST
Signature: *Denise Pinkerton* Date: 10-24-2012
e-mail address: lenacjd@chevron.com Telephone: 432-687-7375

7. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only)

OCD Representative Signature: R. Wade Approval Date: 10/24/12

Title: Dist. H. Supervisor OCD Permit Number: 213594

8. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**
Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?
☒ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

10. **Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

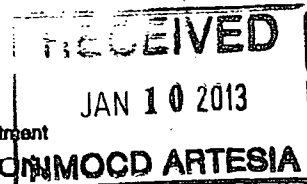
DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 80210

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11000 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505



Form C-102
Revised July 18, 2010
Submit to Appropriate
District Office

O AMENDED REPORT

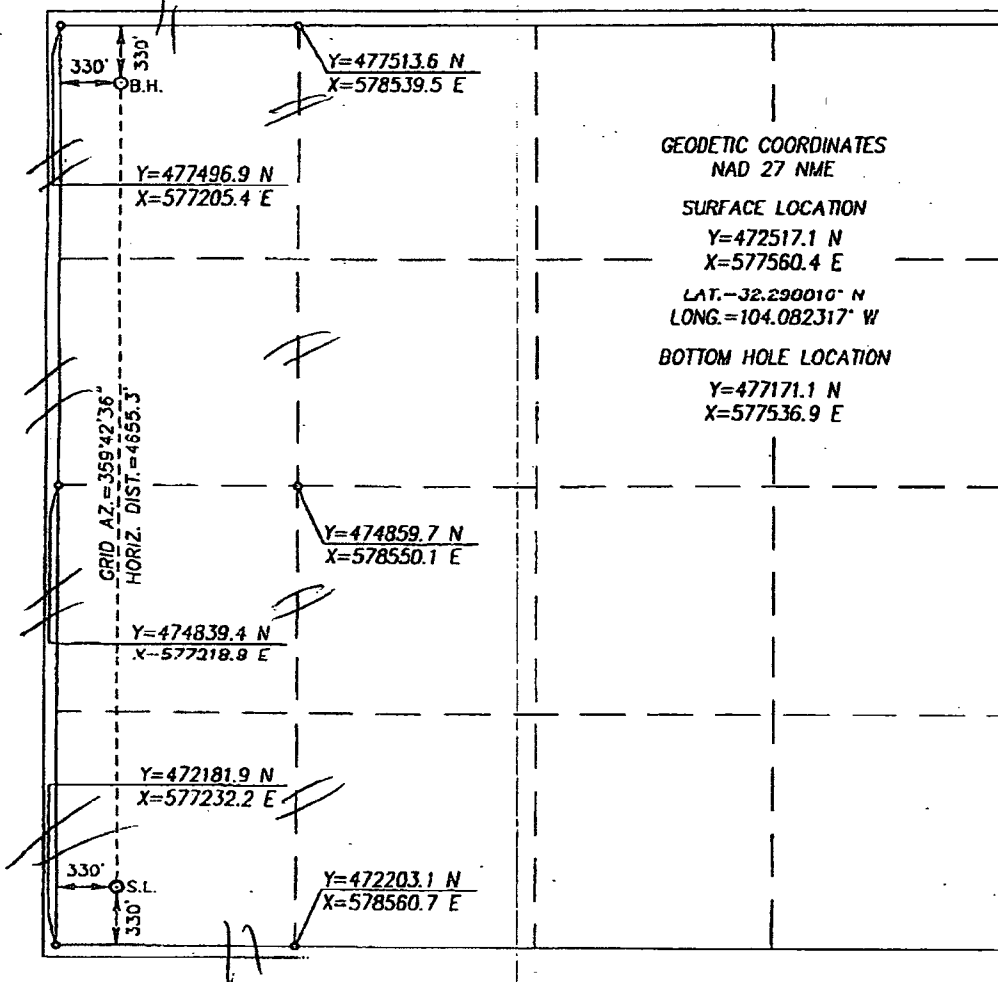
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40818	Pool Code 15011	Pool Name Culebiza Bluff, Bone Spring, South
Property Code 39167	Property Name HERITAGE 2 15	Well Number 2H
OGRID No. 4373	Operator Name CHEVRON USA INC	Elevation 3034'

Surface Location									
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	23-S	28-E		330	SOUTH	330'	WEST	EDDY

Bottom Hole Location If Different From Surface									
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	23-S	28-E		330	NORTH	330	WEST	EDDY
Dedicated Acres		Joint or Infill	Consolidation Code	Order No.					
160				R-13660 CASE#-14929					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

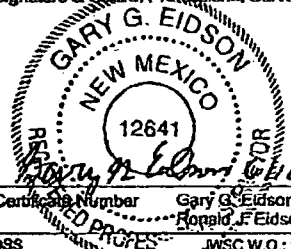
Denise Pinkerton 1-09-2013
Signature Date
Denise Pinkerton
Printed Name
Leateid@chevron.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 6, 2011

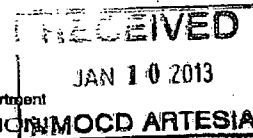
Date of Survey
Signature & Seal of Professional Surveyor:



Certificate Number Gary G. Eidson 12641
Ropold F. Eidson 3239
DSS WSC W.O.: 11.11.1120

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
DISTRICT II
1301 W. GRAND AVENUE, ARTECIA, NM 88210
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
DISTRICT IV
11000 G. ST. FARMER DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505



Form C-102
Revised July 16, 2010
Submit to Appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40818	Pool Code 15011	Pool Name Culebiza Bluff; Bone-Dry Wg. South
Property Code 391167	Property Name HERITAGE 2 15	
OGRD No. 4373	Operator Name CHEVRON USA INC	
	Well Number 2H	Elevation 3034'

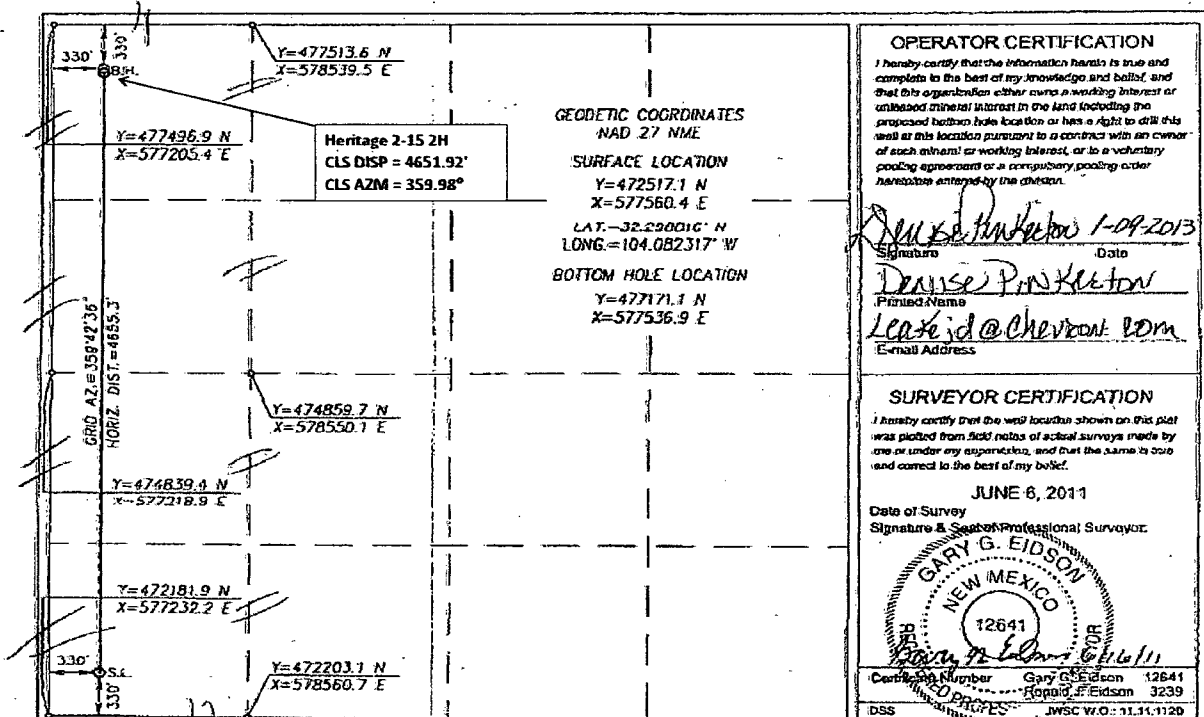
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	23-S	28-E		330	SOUTH	330	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	23-S	28-E		330	NORTH	330	WEST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No. R-13660D CASE#-14929
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Denise Pinkerton 1-09-2013
Signature Date
Denise Pinkerton
Printed Name
Leateid@chevron.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 6, 2011
Date of Survey
Signature & Seal of Professional Surveyor:

GARY G. EIDSON
NEW MEXICO
12641
Certificate Number Gary G. Eidson 12641
Rogelio F. Eidson 3239
DSS JWSC W.O.: 11.11.1120

SCHLUMBERGER

Survey Report

3-Feb-12

Client.....: Chevron U.S.A. Inc.
Field.....: Culebra Bluff, Bone Spring South

Well.....: Heritage 2-15 2H
API number.....: 30-015-40818
Engineer.....: N Seprodi

Spud date.....: 11-Jan-12
Last survey date.....: 03-Feb-12
Total accepted surveys...: 99
MD of first survey.....: 5014.00 ft
MD of last survey.....: 12494.00 ft

COUNTY.....: Eddy
STATE.....: New Mexico
RIG.....: H&P 227

Latitude: 32° 17' 55.739" N
Longitude: 103° 4' 56.342" W

----- Survey calculation methods-----

Method for positions.....: Minimum curvature

Method for DLS.....: Lubinski

----- Depth reference -----

Permanent datum.....: MEAN SEA LEVEL

Depth reference.....: Driller's Depth

GL above permanent.....: 3034.00 ft

KB above permanent.....: Top Drive

DF above permanent.....: 3059.00 ft

----- Vertical section origin-----

Latitude (+N/-).....: 0.00 ft

Departure (+E/-).....: 0.00 ft

----- Grid Coordinates -----

NAD27 Texas State Plane, Central Zone, US Feet

X.....: 577560.400 ft

Y.....: 472517.100 ft

Azimuth from Vsect Origin to target: 359.71 degrees

-----MWD Survey Reference Criteria-----

-----Run1-----

Geomag Model:	: BGGM 2012	Calculation Date:	: 21-Jan-2013
Location G	: 998.83 mgn	Tolerance G	: 2.50 mgn
Location B (Override):	48424.02 nT	Tolerance B	: 300.00 nT
Magnetic Dip (Override):	60.09 degrees	Tolerance Dip	: 0.45 degrees

-----Run2-----

Geomag Model:	: BGGM 2012	Calculation Date:	: 26-Jan-2013
Location G	: 998.83 mgn	Tolerance G	: 2.50 mgn
Location B (Override):	48424.02 nT	Tolerance B	: 300.00 nT
Magnetic Dip (Override):	60.09 degrees	Tolerance Dip	: 0.45 degrees

-----Run4-----

Geomag Model:	: BGGM 2012	Calculation Date:	: 28-Jan-2013
Location G	: 998.83 mgn	Tolerance G	: 2.50 mgn
Location B (Override):	48424.02 nT	Tolerance B	: 300.00 nT
Magnetic Dip (Override):	60.09 degrees	Tolerance Dip	: 0.45 degrees

-----Run5-----

Geomag Model:	: BGGM 2012	Calculation Date:	: 30-Jan-2013
Location G	: 998.83 mgn	Tolerance G	: 2.50 mgn
Location B (Override):	48424.02 nT	Tolerance B	: 300.00 nT
Magnetic Dip (Override):	60.09 degrees	Tolerance Dip	: 0.45 degrees

-----Run6-----

Geomag Model:	: BGGM 2012	Calculation Date:	: 31-Jan-2013
Location G	: 998.83 mgn	Tolerance G	: 2.50 mgn
Location B (Override):	48424.02 nT	Tolerance B	: 300.00 nT
Magnetic Dip (Override):	60.09 degrees	Tolerance Dip	: 0.45 degrees

-----MWD Survey Azimuth Correction-----

-----Run1-----

Magnetic dec (+E/-) : 7.7350 degrees(Override)
Grid convergence (+E/-) : 0.1341 degrees
GTotal az corr (+E/-) : 7.6009 degrees

-----Run2-----

Magnetic dec (+E/-) : 7.7350 degrees(Override)
Grid convergence (+E/-) : 0.1341 degrees
GTotal az corr (+E/-) : 7.6009 degrees

-----Run4-----

Magnetic dec (+E/W-) : 7.7350 degrees(Override)
 Grid convergence (+E/W-) : 0.1341 degrees
 GTotal az corr (+E/W-) : 7.6009 degrees

-----Run5-----

Magnetic dec (+E/W-) : 7.7350 degrees(Override)
 Grid convergence (+E/W-) : 0.1341 degrees
 GTotal az corr (+E/W-) : 7.6009 degrees

-----Run6-----

Magnetic dec (+E/W-) : 7.7350 degrees(Override)
 Grid convergence (+E/W-) : 0.1341 degrees
 GTotal az corr (+E/W-) : 7.6009 degrees

-----Survey Description Index Description-----
 0 : Uncorrected 9 : Projection to Bit

===== Survey List =====													
Seq	MD (ft)	Incl (deg)	Azim (deg)	COURSE	TVD (ft)	V Sec (ft)	N/-S (ft)	E/-W (ft)	CLOSURE	ATAZIM (deg)	DLS (deg/100ft)	Tool	Correction
1	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	90.00	0.00	Other	0
2	100.00	0.33	321.52	100	100.00	0.23	0.23	-0.18	0.29	321.52	0.33	GyroTool	0
3	200.00	0.60	311.66	100	200.00	0.80	0.80	-0.75	1.10	316.83	0.28	GyroTool	0
4	300.00	0.84	25.69	100	299.99	1.81	1.81	-0.82	1.99	335.52	0.89	GyroTool	0
5	400.00	0.89	22.88	100	399.98	3.18	3.18	-0.20	3.19	356.35	0.07	GyroTool	0
6	500.00	1.11	78.75	100	499.97	4.08	4.09	1.05	4.22	14.39	0.96	GyroTool	0
7	600.00	1.21	94.61	100	599.95	4.18	4.19	3.05	5.19	36.05	0.34	GyroTool	0
8	700.00	1.24	83.24	100	699.92	4.21	4.23	5.18	6.69	50.72	0.24	GyroTool	0
9	800.00	0.80	28.31	100	799.91	4.94	4.98	6.58	8.25	52.91	1.02	GyroTool	0
10	900.00	0.66	11.64	100	899.90	6.12	6.16	7.03	9.34	48.80	0.25	GyroTool	0
11	1000.00	0.38	338.32	100	999.90	6.99	7.03	7.02	9.94	44.99	0.40	GyroTool	0
12	1100.00	0.43	319.11	100	1099.89	7.59	7.62	6.66	10.12	41.14	0.14	GyroTool	0
13	1200.00	0.49	321.11	100	1199.89	8.20	8.24	6.14	10.27	36.72	0.06	GyroTool	0
14	1300.00	0.41	324.72	100	1299.89	8.83	8.86	5.67	10.52	32.60	0.08	GyroTool	0
15	1400.00	0.50	293.89	100	1399.88	9.30	9.33	5.06	10.61	28.48	0.26	GyroTool	0
16	1500.00	0.55	285.11	100	1499.88	9.61	9.63	4.20	10.51	23.56	0.09	GyroTool	0
17	1600.00	0.53	285.58	100	1599.88	9.86	9.88	3.29	10.41	18.42	0.02	GyroTool	0
18	1700.00	0.51	292.47	100	1699.87	10.16	10.18	2.43	10.46	13.45	0.07	GyroTool	0
19	1800.00	1.05	121.06	100	1799.87	9.86	9.87	2.81	10.26	15.87	1.56	GyroTool	0
20	1900.00	1.31	124.91	100	1899.85	8.72	8.75	4.53	9.85	27.38	0.27	GyroTool	0
21	2000.00	1.47	124.86	100	1999.82	7.33	7.36	6.52	9.83	41.54	0.16	GyroTool	0
22	2100.00	1.58	112.10	100	2099.78	6.06	6.11	8.85	10.75	55.39	0.36	GyroTool	0
23	2200.00	2.02	115.63	100	2199.73	4.77	4.83	11.72	12.67	67.61	0.45	GyroTool	0
24	2300.00	2.47	120.33	100	2299.66	2.90	2.97	15.16	15.45	78.90	0.49	GyroTool	0
25	2400.00	2.62	120.19	100	2399.56	0.64	0.74	19.00	19.01	87.78	0.15	GyroTool	0
26	2500.00	2.46	121.41	100	2499.46	-1.65	-1.53	22.81	22.86	93.84	0.17	GyroTool	0
27	2600.00	1.74	124.42	100	2599.39	-3.64	-3.51	25.89	26.13	97.71	0.73	GyroTool	0
28	2700.00	1.40	130.94	100	2699.35	-5.31	-5.17	28.07	28.54	100.43	0.38	GyroTool	0
29	2800.00	1.43	128.86	100	2799.32	-6.90	-6.75	29.96	30.71	102.69	0.06	GyroTool	0
30	2900.00	1.41	126.08	100	2899.29	-8.42	-8.26	31.93	32.98	104.50	0.07	GyroTool	0
31	3000.00	1.25	117.92	100	2999.27	-9.66	-9.49	33.89	35.19	105.65	0.25	GyroTool	0
32	3100.00	1.08	109.79	100	3099.24	-10.50	-10.32	35.74	37.20	106.11	0.24	GyroTool	0
33	3200.00	0.99	109.17	100	3199.23	-11.11	-10.92	37.44	39.00	106.27	0.09	GyroTool	0
34	3300.00	1.00	110.86	100	3299.21	-11.72	-11.52	39.07	40.73	106.43	0.03	GyroTool	0
35	3400.00	0.82	125.21	100	3399.20	-12.45	-12.24	40.47	42.28	106.83	0.29	GyroTool	0
36	3500.00	0.46	118.34	100	3499.19	-13.05	-12.85	41.41	43.35	107.23	0.37	GyroTool	0
37	3600.00	0.43	103.55	100	3599.19	-13.34	-13.12	42.13	44.12	107.30	0.12	GyroTool	0
38	3700.00	0.39	108.27	100	3699.19	-13.53	-13.32	42.81	44.84	107.28	0.05	GyroTool	0
39	3800.00	0.37	113.73	100	3799.19	-13.77	-13.55	43.43	45.50	107.33	0.04	GyroTool	0
40	3900.00	0.36	116.74	100	3899.18	-14.05	-13.83	44.01	46.13	107.44	0.02	GyroTool	0
41	4000.00	0.34	109.72	100	3999.18	-14.29	-14.07	44.57	46.74	107.52	0.05	GyroTool	0
42	4100.00	0.37	116.65	100	4099.18	-14.54	-14.31	45.14	47.35	107.59	0.05	GyroTool	0
43	4200.00	0.37	105.26	100	4199.18	-14.77	-14.54	45.74	47.99	107.64	0.07	GyroTool	0
44	4300.00	0.47	100.35	100	4299.18	-14.94	-14.70	46.45	48.72	107.56	0.11	GyroTool	0
45	4400.00	0.44	108.92	100	4399.17	-15.14	-14.90	47.22	49.51	107.51	0.07	GyroTool	0
46	4500.00	0.45	126.11	100	4499.17	-15.50	-15.26	47.90	50.27	107.67	0.13	GyroTool	0
47	4600.00	0.42	121.39	100	4599.17	-15.92	-15.68	48.53	51.00	107.90	0.05	GyroTool	0
48	4700.00	0.37	147.64	100	4699.16	-16.39	-16.14	49.01	51.60	108.23	0.19	GyroTool	0
49	4800.00	0.49	177.65	100	4799.16	-17.09	-16.84	49.21	52.01	108.89	0.25	GyroTool	0
50	4854.00	0.39	165.12	54	4853.16	-17.50	-17.25	49.26	52.19	109.30	0.26	GyroTool	0
51	5014.00	2.50	18.45	160	5013.11	-14.72	-14.46	50.51	52.54	105.98	1.77	SlimPulse	0
52	5046.00	2.42	17.38	32	5045.09	-13.42	-13.16	50.93	52.60	104.49	0.30	SlimPulse	0
53	5140.00	2.32	14.15	94	5139.00	-9.68	-9.42	51.99	52.83	100.27	0.18	SlimPulse	0
54	5234.00	2.15	15.16	94	5232.93	-6.14	-5.87	52.91	53.24	96.33	0.18	SlimPulse	0
55	5329.00	2.06	9.80	95	5327.87	-2.74	-2.46	53.67	53.73	92.63	0.23	SlimPulse	0
56	5423.00	1.97	9.74	94	5421.81	0.52	0.79	54.23	54.24	89.16	0.10	SlimPulse	0
57	5518.00	1.92	12.54	95	5516.76	3.68	3.96	54.86	55.00	85.87	0.11	SlimPulse	0
58	5612.00	1.86	16.74	94	5610.71	6.68	6.96	55.64	56.07	82.87	0.16	SlimPulse	0
59	5706.00	1.73	17.43	94	5704.66	9.48	9.77	56.50	57.34	80.19	0.14	SlimPulse	0
60	5801.00	1.56	18.98	95	5799.62	12.07	12.36	57.35	58.66	77.84	0.18	SlimPulse	0
61	5895.00	1.52	20.45	94	5893.59	14.44	14.73	58.20	60.04	75.79	0.06	SlimPulse	0
62	5990.00	1.37	21.33	95	5988.56	16.67	16.97	59.05	61.44	73.97	0.16	SlimPulse	0
63	6085.00	1.27	23.10	95	6083.53	18.69	18.99	59.88	62.82	72.40	0.11	SlimPulse	0

64	6179.00	1.14	27.79	94	617.51	20.47	20.78	60.72	64.18	71.11	0.18	SlimPulse	0
65	6274.00	1.00	34.41	95	627.49	23.94	22.29	61.63	65.54	70.11	0.19	SlimPulse	0
66	6463.00	1.16	33.95	94	6366.48	23.48	23.76	62.63	66.98	69.22	0.18	SlimPulse	0
67	6463.00	1.14	29.30	95	6461.46	25.07	25.39	63.63	68.51	68.25	0.10	SlimPulse	0
68	6558.00	1.22	13.81	95	6556.44	26.86	27.18	64.38	69.88	67.11	0.06	SlimPulse	0
69	6652.00	1.23	13.81	94	6650.42	28.79	29.12	64.90	71.13	65.84	0.06	SlimPulse	0
70	6746.00	1.49	23.07	94	6744.39	30.89	31.22	65.62	72.67	64.55	0.36	SlimPulse	0
71	6840.00	0.55	49.91	94	6838.37	32.30	32.64	66.45	74.03	63.84	1.10	SlimPulse	0
72	6934.00	0.12	76.25	94	6932.37	32.62	32.96	66.89	74.57	63.77	0.47	SlimPulse	0
73	7028.00	0.15	147.01	94	7026.37	32.53	32.87	67.06	74.68	63.88	0.17	SlimPulse	0
74	7123.00	0.49	116.70	95	7121.37	32.24	32.58	67.49	74.95	64.23	0.39	SlimPulse	0
75	7217.00	0.62	125.43	94	7215.37	31.76	32.11	68.27	75.44	64.81	0.16	SlimPulse	0
76	7311.00	0.63	121.81	94	7309.36	31.19	31.54	69.12	75.98	65.47	0.04	SlimPulse	0
77	7349.00	0.71	121.22	38	7347.36	30.96	31.31	69.50	76.23	65.75	0.20	SlimPulse	0
78	7384.00	0.66	132.42	35	7382.36	30.71	31.06	69.83	76.43	66.02	0.41	SlimPulse	0
79	7415.00	1.45	24.14	31	7413.35	30.94	31.30	70.13	76.79	65.95	5.71	SlimPulse	0
80	7439.00	4.02	8.71	24	7437.32	32.05	32.41	70.38	77.48	65.28	11.03	SlimPulse	0
81	7471.00	6.21	6.65	32	7469.19	34.88	35.24	70.75	79.04	63.52	6.88	SlimPulse	0
82	7502.00	8.16	7.74	31	7499.95	38.72	39.08	71.24	81.26	61.25	6.31	SlimPulse	0
83	7534.00	10.42	6.78	32	7531.53	43.84	44.21	71.89	84.39	58.41	7.07	SlimPulse	0
84	7565.00	12.41	5.71	31	7561.91	49.94	50.31	72.55	88.29	55.26	6.44	SlimPulse	0
85	7597.00	14.23	5.12	32	7593.05	57.28	57.65	73.24	93.21	51.79	5.72	SlimPulse	0
86	7628.00	16.41	4.32	31	7622.95	65.44	65.81	73.91	98.97	48.32	7.05	SlimPulse	0
87	7659.00	18.48	4.30	31	7652.52	74.70	75.08	74.61	105.85	44.82	6.68	SlimPulse	0
88	7691.00	20.23	4.18	32	7682.71	85.65	85.95	75.39	114.11	38.21	5.46	SlimPulse	0
89	7722.00	22.10	4.23	31	7711.62	96.43	96.81	76.22	123.21	38.21	6.06	SlimPulse	0
90	7754.00	23.75	3.36	32	7741.09	108.86	109.25	77.04	133.68	35.19	5.24	SlimPulse	0
91	7785.00	24.81	2.78	31	7769.35	121.58	121.98	77.72	144.63	32.50	3.52	SlimPulse	0
92	7817.00	25.78	1.85	32	7798.28	135.24	135.64	78.27	156.60	29.99	3.27	SlimPulse	0
93	7848.00	27.28	1.25	31	7826.01	149.08	149.48	78.64	168.91	27.75	4.91	SlimPulse	0
94	7880.00	28.97	1.60	32	7854.23	164.16	164.56	79.02	182.55	25.65	5.30	SlimPulse	0
95	7974.00	34.57	2.51	94	7934.12	213.58	213.99	80.83	228.75	20.69	5.98	SlimPulse	0
96	8006.00	35.83	2.86	32	7960.27	232.00	232.42	81.69	246.36	19.37	4.01	SlimPulse	0
97	8065.00	37.43	2.98	59	8007.62	267.15	267.57	83.48	280.29	17.33	2.70	SlimPulse	0
98	8162.00	45.47	5.43	97	8080.27	331.09	331.54	88.29	343.09	14.91	8.46	SlimPulse	0
99	8257.00	57.51	5.78	32	8101.88	354.56	355.02	95.80	366.40	14.32	8.46	SlimPulse	0
100	8294.00	57.1	6.04	63	8139.29	404.88	405.37	95.82	416.54	13.30	12.81	SlimPulse	0
101	8352.00	71.60	5.72	95	8180.01	489.95	490.49	104.57	501.51	12.04	14.83	SlimPulse	0
102	8415.00	81.40	5.41	31	8188.46	519.61	520.16	107.47	531.15	11.67	14.76	SlimPulse	0
103	8446.00	85.80	3.63	31	8197.99	581.60	582.17	112.42	592.93	10.93	14.54	SlimPulse	0
104	8458.00	85.31	1.99	65	8198.50	646.45	647.04	115.60	657.29	10.13	11.81	SlimPulse	0
106	8538.00	94.06	1.87	27	8196.76	673.38	673.97	116.51	683.97	9.81	2.84	SlimPulse	0
107	8588.00	94.71	1.05	50	8192.94	723.20	723.81	117.78	733.33	9.24	2.09	SlimPulse	0
108	8683.00	93.55	0.55	95	8186.10	817.94	818.55	119.11	827.17	8.28	1.33	SlimPulse	0
109	8777.00	93.27	0.01	94	8180.51	911.77	912.38	119.57	920.19	7.47	0.65	SlimPulse	0
110	8871.00	93.30	359.29	94	8175.12	1005.61	1006.23	119.00	1013.24	6.74	0.77	SlimPulse	0
111	8966.00	92.62	358.91	95	8170.22	1100.48	1101.09	117.51	1107.34	6.09	0.82	SlimPulse	0
112	9060.00	92.44	358.41	94	8166.07	1194.47	1194.97	115.32	1200.52	5.51	0.57	SlimPulse	0
113	9155.00	92.55	357.87	95	8161.76	1289.24	1289.82	112.24	1294.70	4.97	0.65	SlimPulse	0
114	9249.00	91.86	357.37	94	8157.99	1383.10	1383.66	108.33	1387.90	4.48	1.09	SlimPulse	0
115	9344.00	91.07	357.02	95	8155.56	1477.88	1478.52	103.69	1482.15	4.01	0.91	SlimPulse	0
116	9438.00	90.69	356.71	94	8154.12	1571.85	1572.37	98.55	1575.45	3.59	0.52	SlimPulse	0
117	9533.00	91.55	355.91	95	8152.27	1666.66	1667.15	92.44	1669.71	3.17	1.23	SlimPulse	0
118	9628.00	94.06	354.29	95	8147.63	1761.23	1761.68	84.34	1763.70	2.74	3.14	SlimPulse	0
119	9722.00	90.52	354.15	94	8143.88	1854.71	1855.11	74.89	1856.62	2.31	3.77	SlimPulse	0
120	9817.00	90.76	354.61	95	8142.82	1949.29	1949.65	65.59	1950.75	1.93	0.54	SlimPulse	0
121	9911.00	90.79	355.31	94	8141.55	2042.96	2043.28	57.34	2044.08	1.61	0.74	SlimPulse	0
122	10006.00	90.69	357.09	95	8140.33	2137.77	2138.06	51.04	2138.67	1.37	1.87	SlimPulse	0
123	10100.00	90.52	357.47	94	8139.34	2231.68	2231.95	46.58	2232.43	1.20	0.44	SlimPulse	0
124	10194.00	90.48	357.84	94	8138.52	2325.62	2325.86	42.73	2326.26	1.05	0.40	SlimPulse	0
125	10289.00	90.38	357.87	95	8137.81	2420.80	2420.80	39.18	2421.11	0.93	0.11	SlimPulse	0
126	10383.00	90.38	358.23	94	8137.19	2514.32	2514.74	35.98	2515.00	0.82	0.38	SlimPulse	0
127	10478.00	90.55	358.66	95	8136.42	2609.50	2609.70	33.41	2609.91	0.73	0.49	SlimPulse	0
128	10573.00	90.34	358.19	95	8135.68	2704.47	2704.66	30.80	2704.84	0.65	0.54	SlimPulse	0
129	10667.00	90.41	358.00	94	8135.06	2798.43	2798.61	27.68	2798.74	0.57	0.22	SlimPulse	0
130	10761.00	90.31	358.23	94	8134.47	2892.36	2892.55	24.58	2892.66	0.42	0.28	SlimPulse	0
131	10856.00	90.55	358.35	95	8133.76	2987.51	2987.51	21.75	2987.59	0.42	0.28	SlimPulse	0
132	10950.00	90.31	357.39	94	8133.05	3081.31	3081.44	18.26	3081.49	0.34	1.05	SlimPulse	0
133	11045.00	90.28	357.79	95	8132.57	3176.36	3176.36	14.27	3176.39	0.26	0.42	SlimPulse	0
134	11139.00	90.34	357.46	94	8132.06	3270.18	3270.27	10.37	3270.29	0.18	0.36	SlimPulse	0
135	11238.00	90.31	358.04	94	8131.52	3364.20	3364.20	6.67	3364.21	0.11	0.62	SlimPulse	0
136	11328.00	89.86	357.14	95	8131.38	3459.06	3459.06	2.68	3459.11	0.04	1.06	SlimPulse	0
137	11422.00	90.52	358.63	94	8131.07	3553.00	3553.05	0.80	3553.05	359.99	1.73	SlimPulse	0
138	11517.00	90.21	359.22	95	8130.47	3647.99	3648.03	-2.58	3648.03	359.96	0.71	SlimPulse	0
139	11611.00	90.14	0.18	94	8130.19	3741.99	3742.02	-3.07	3742.02	359.95	1.02	SlimPulse	0
140	11706.00	90.38	0.86	95	8129.76	3836.98	3837.02	-2.21	3837.02	359.97	0.76	SlimPulse	0
141	11801.00	90.17	1.09	94	8129.31	3931.96	3932.00	-0.59	3932.00	359.99	0.33	SlimPulse	0
142	11895.00	90.38	1.02	95	8128.86	4025.93	4025.99	1.13	4025.99	0.02	0.23	SlimPulse	0
143	11990.00	90.45	0.65	95	8128.17	4120.91	4120.97	2.52	4120.97	0.04	0.39	SlimPulse	0
144	12084.00	90.38	0.07	94	8127.49	4214.90	4214.97	3.11	4214.97	0.04	0.62	SlimPulse	0
145	12179.00	90.21	0.06	95	8127.01	4309.90	4309.97	3.22	4309.97	0.04	0.18	SlimPulse	0
146	12274.00	90.34	359.55	95	8126.55	4404.89	4404.97	2.90	4404.97	0.04	0.56	SlimPulse	0
147	12368.00	90.45	359.64	94	8125.91	4498.89	4498.96	1.88	4498.96	0.02	0.37	SlimPulse	0
148	12462.00	90.34	358.41	94	8125.26	4592.88	4592.94	0.72	4592.94	0.00	0.62	SlimPulse	0
149	12549.00	90.10	358.43	32	8125.13	4624.87	4624.93	-0.70	4624.93	359.99	0.99	SlimPulse	0
150	12521.00	90.10	358.43	27	8125.08	4651.86	4651.92	-1.44	4651.92	359.98	0.02	PROJ	9