Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD Hobbs
OCT 24 2016
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM33955

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: INJ
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: R360 PERMIAN BASIN LLC
Contact: CHRIS RUANE
E-Mail: chrisr@wasteconnections.com

8. Lease Name and Well No.: HALFWAY SWD 1

3. Address: 3 WATERWAY SQUARE PLACE SUITE 110, THE WOODLANDS, TX 77380
3a. Phone No. (include area code): Ph: 832-442-2200

9. API Well No.: 30-025-42545-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Lot M 845FSL 1030FWL 32.554615 N Lat, 103.754308 W Lon
At top prod interval reported below: Lot M 845FSL 1030FWL 32.554615 N Lat, 103.754308 W Lon
At total depth: Lot M 845FSL 1030FWL 32.554615 N Lat, 103.754308 W Lon

10. Field and Pool, or Exploratory: SWD

11. Sec., T., R., M., or Block and Survey or Area: Sec 22 T20S R32E Mer NMP

12. County or Parish: LEA
13. State: NM

14. Date Spudded: 07/01/2015
15. Date T.D. Reached: 10/04/2015
16. Date Completed ☐ D & A ☐ Ready to Prod. 11/11/2015
17. Elevations (DF, KB, RT, GL)*: 3533 GL

18. Total Depth: MD 16009 TVD 16007
19. Plug Back T.D.: MD TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): SEEREMARKS

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J-55	106.4	0	1076		2475	586	0	0
17.500	13.375 J-55	68.0	0	2902	1802	2242	428	0	0
12.250	9.625 L-80	47.0	0	4992	3284	806	362	0	0
8.500	7.000 HCL-80	35.0	0	14627	10456	1764	383	0	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
4.500	14635	14543						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DEVONIAN	14627	16009				
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #329575 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
OCT 7 2016
Charles Nimmer
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Reclamation Due by 5/11/2016

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
UNKNOWN

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
SALADO	356	2969		ATOKA	12216
TANSILL	2800	3300		MORROW	12793
YATES	2969	2800		BARNETT SHALE	13752
CAPITAN REEF	3300	5129		MISSISSIPPIAN	13884
DELAWARE	5129	7738		WOODFORD	14409
BONE SPRING	7738	10754		DEVONIAN	14623
WOLFCAMP	10754	11714		MONTOYA	15870
STRAWN	11714	12216		SIMPSON	15950

32. Additional remarks (include plugging procedure):
Logs:
Dual Laterlog Micro-Guard
Dual Spaced Neutron Density Spectral Gamma Ray
Wave Sonic
Confidential
High Resolution Laterlog Array Micro-CFL
Compensated Neutron Three Detector Litho-Density
PEX-HRLA A ELAN

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #329575 Verified by the BLM Well Information System.
For R360 PERMIAN BASIN LLC, sent to the Hobbs
Committed to AFMSS for processing by CHARLES NIMMER on 10/07/2016 (17CN0003SE)

Name *(please print)* JEREMY CANNADY Title ENGINEERING

Signature (Electronic Submission) Date 01/22/2016

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #329575 that would not fit on the form

32. Additional remarks, continued

LOGS WILL BE SENT BY MAIL(DVD) WITH COVER LETTER.

Formation Tops:
Section 30 and 31 represent the Formation Marks as there was not enough space to fit more than 8 formations in the WIS system.

Open hole completion.

See attached Well Bore Diagram.

Cambrian Management
EXECUTIVE SUMMARY WELLBORE DIAGRAM

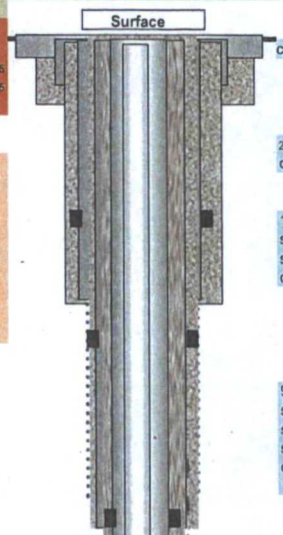
WELL NAME:	R 360 Halfway SWD #1			STATE:	New Mexico		Permit #			Job #	
LOCATION:	808 FSL 1007 FWL Unit M (SW/4), SW/4)			COUNTY:	Lea		Spud	TD	Rig Release	rig Days	
LOCATION:	Sect 22, T 20S R32E 32.533889 -103.759444			DATE		Drill	JULY 1 2015	Oct 4 2015	Oct 7 2015		
ELEVATION:			GL 3533			Complete					
API#							TVD	16000	PBTD		
Drill Contractor	Precision Drilling Rig 593			PREPARED BY	A Rickard		Total Depth	16000			
	DEPTH	HOLE SIZE	CASING SIZE	WEIGHT	GRADE	THREAD	CMT	CMT VOL	TOC	centralizers	DV Depth
Conductor CASING:	120	36"	30"			See cement slurries below			surface		none
Surf CASING:	1080	24"	20"	106.4 ppf	J55	LTC	See cement tab on bottom		surface	TBD	none
1st Int CASING:	2902	17 1/2	13 3/8"	68 ppf	J-55	LTC			surface	TBD	1802
2nd Int CASING:	4992	12 1/4"	9 5/8"	47	L-80	LTC			surface	TBD	3284
Prod Casing	14,635	8 1/2"	7"	35/29 ppf	HCL80/HCP-110	LTC			surface	Temp Survey	5178/10456
Tubing	14635	5.7/8"	4 1/2	11.6	L80/CLS100	8rnd LTC					

Water Board Depth 1060'

Last updated
Regulator Mark Larson
Drilling Dallas 11/13/2015
Complete Andy 11/13/2015
Workover

Date

Initial Potential
Oil(BOPD)
Gas (MCFD)
Water (BPD)
GOR
Flowing/Pumping
Choke
Flowing Tbg psi
Csg Pressure
Oil Gravity



Conductor 120'

20" Surface casing @ 1080'
circulated cmt to surface

13 3/8 1st Intermediate set @ 2902' with a DVT set @ 1802' circulated cement to surface

9 5/8" 2nd Intermediate set @ 4992' with ECP set @ 4992', with DVT set @ 3284' circulated cement to surface

7" set @ 14,635' with DVT @ 5178' & 10,45
7" casing set as follows f/ bottom up:
7" HCL-80 35# LTC f/ 14,635' - 11,136'
7" P-110 29# LTC f/ 11,136'- 155'
7" HCL-80 35# LTC f/ 155'- 0'
circulated cement off both DVT and and circulated cement to surface

injection packer set at 14,543'
CLS100
5000' 4 1/2 p110 9300' 4 1/2 L80
Arrowset 1X w/ O/O tool
F nipple R nipple

5 7/8" Open Hole Completio

5 7/8" >> TD 16,000 +/-

	Vendor	Type	Rating
C			
B			
A			

	Geology Formation	ACTUAL Depth (top)
1	Triassic	
2	Salado	350
3	Tansil	2800
4	Yates	2696
5	Capitan	3300
6	Delaware Mountain	5129
7	Bone Spring	7738
8	Wolfcamp	10,754
9	Strawn	11,714
10	Atoka	12,216
11	Morrow	12,793
12	Barnett	13,752'
13	Mississippian Lime	13,884
14	Woodford Shale	14,409
15	Devonian	14,623
16	Montoya	15,870
17	Simpson	15950
18	Ellenberger	16300
19	Granite	

1				
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4				
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9				
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11				
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18				
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20				

Production Equip

Type of lift	Depth

	Items	Length	ID	OD
1	#NAME?			
2				
3				
4				
5				
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20				
21				

Survey Report: Survey (0)

Operator	R360 Environmental Solutions	Northing	565676.200	Date	3-Dec-15
Dir. Co.	M3P Directional	Easting	718199.160	System	2 - St. Plane
Well Name	Survey (0)	Elevation	3560.00	Datum	1983 - NAD83
Location	Lea Co. NM.	Latitude	32.553790	Zone	3001 - New Mexico East
Rig	Precision #593	Longitude	103.759317	Scale Fac.	
Job	2015019	Units	Feet	Converg.	

MD	INC	AZI	TVD	+N/S-	+E/W-	VS@0°	BR	TR	DLS
1897.8	1.14	36.99	1897.73	-6.1	3.49	-6.1	0	0	0
1897.8: Tie-in From Gyro									
1981	1.1	28.2	1980.91	-4.74	4.37	-4.74	-0.05	-10.57	0.21
2002	0.5	29	2001.91	-4.48	4.51	-4.48	-2.86	3.81	2.86
2037	0.2	265.6	2036.91	-4.35	4.52	-4.35	-0.86	676	1.81
2082	0.4	146.9	2081.91	-4.49	4.53	-4.49	0.44	-263.78	1.17
2171	0.6	92.1	2170.91	-4.76	5.16	-4.76	0.22	-61.57	0.55
2260	0.9	68.5	2259.9	-4.52	6.28	-4.52	0.34	-26.52	0.48
2350	1	78.6	2349.89	-4.11	7.7	-4.11	0.11	11.22	0.22
2439	0.8	85.9	2438.88	-3.91	9.09	-3.91	-0.22	8.2	0.26
2529	1	90	2528.87	-3.87	10.5	-3.87	0.22	4.56	0.23
2618	1.1	81.8	2617.85	-3.75	12.12	-3.75	0.11	-9.21	0.2
2708	0.9	77.5	2707.84	-3.47	13.67	-3.47	-0.22	-4.78	0.24
2797	0.7	85.4	2796.83	-3.27	14.89	-3.27	-0.22	8.88	0.26
2847	0.3	84.1	2846.83	-3.24	15.32	-3.24	-0.8	-2.6	0.8
2963	0.1	78	2962.83	-3.18	15.73	-3.18	-0.17	-5.26	0.17
3063	0.2	353.8	3062.83	-2.99	15.79	-2.99	0.1	-84.2	0.21
3152	0.2	321.8	3151.83	-2.72	15.68	-2.72	0	-35.96	0.12
3241	0.3	9.4	3240.82	-2.36	15.62	-2.36	0.11	53.48	0.25
3331	0.3	16.7	3330.82	-1.91	15.73	-1.91	0	8.11	0.04
3420	0.1	74.7	3419.82	-1.66	15.87	-1.66	-0.22	65.17	0.29
3510	0.4	86.8	3509.82	-1.62	16.26	-1.62	0.33	13.44	0.34
3599	0.4	123.4	3598.82	-1.78	16.83	-1.78	0	41.12	0.28
3688	0.5	73.3	3687.82	-1.84	17.46	-1.84	0.11	-56.29	0.44
3778	0.2	48.3	3777.82	-1.62	17.95	-1.62	-0.33	-27.78	0.37
3868	0.3	46.7	3867.81	-1.35	18.24	-1.35	0.11	-1.78	0.11
3957	0.1	92.1	3956.81	-1.2	18.49	-1.2	-0.22	51.01	0.27
4046	0.1	134.1	4045.81	-1.25	18.62	-1.25	0	47.19	0.08
4136	0	147.2	4135.81	-1.31	18.68	-1.31	-0.11	14.56	0.11
4225	0.1	20.2	4224.81	-1.23	18.71	-1.23	0.11	-142.7	0.11
4315	0.2	10.1	4314.81	-1.01	18.76	-1.01	0.11	-11.22	0.11
4404	0.3	5.2	4403.81	-0.62	18.81	-0.62	0.11	-5.51	0.11
4493	0.4	30.7	4492.81	-0.12	18.99	-0.12	0.11	28.65	0.21
4583	0.3	39.2	4582.81	0.33	19.3	0.33	-0.11	9.44	0.13
4672	0.2	330	4671.81	0.65	19.37	0.65	-0.11	-77.75	0.33
4761	0.3	13.7	4760.81	1.01	19.35	1.01	0.11	49.1	0.23
4851	0.1	332.4	4850.81	1.31	19.37	1.31	-0.22	-45.89	0.26
4929	0.2	275	4928.81	1.38	19.2	1.38	0.13	-73.59	0.22
5019	0.3	334.3	5018.81	1.6	18.94	1.6	0.11	65.89	0.29
5108	0.4	314.2	5107.8	2.03	18.62	2.03	0.11	-22.58	0.18
5198	0.4	291	5197.8	2.36	18.1	2.36	0	-25.78	0.18
5288	0.5	349.7	5287.8	2.86	17.73	2.86	0.11	65.22	0.5
5377	0.6	348.1	5376.8	3.7	17.57	3.7	0.11	-1.8	0.11
5466	0.4	358	5465.79	4.47	17.46	4.47	-0.22	11.12	0.24
5555	0.8	324.9	5554.79	5.28	17.09	5.28	0.45	-37.19	0.58
5645	0.8	348.6	5644.78	6.41	16.61	6.41	0	26.33	0.37
5734	0.8	315.4	5733.77	7.47	16.05	7.47	0	-37.3	0.51
5823	0.3	346.8	5822.77	8.14	15.56	8.14	-0.56	35.28	0.64
5913	0.4	307.9	5912.77	8.56	15.26	8.56	0.11	-43.22	0.28
6002	0.8	318.5	6001.76	9.21	14.6	9.21	0.45	11.91	0.46
6092	0.7	291.5	6091.75	9.89	13.67	9.89	-0.11	-30	0.4
6181	0.7	285.6	6180.75	10.23	12.64	10.23	0	-6.63	0.08
6271	0.4	315.2	6270.74	10.6	11.89	10.6	-0.33	32.89	0.45

Survey Report: Survey (0)

Operator	R360 Environmental Solutions	Northing	565676.200	Date	3-Dec-15
Dir. Co.	M3P Directional	Easting	718199.160	System	2 - St. Plane
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Location	Lea Co. NM.	Latitude	32.553790	Zone	3001 - New Mexico East
Rig	Precision #593	Longitude	103.759317	Scale Fac.	
Job	2015019	Units	Feet	Converg.	

MD	INC	AZI	TVD	+N/S-	+E/W-	VS@0°	BR	TR	DLS
6360	0.5	283.5	6359.74	10.91	11.3	10.91	0.11	-35.62	0.3
6450	0.9	284.1	6449.73	11.18	10.23	11.18	0.44	0.67	0.44
6539	1	284	6538.72	11.54	8.8	11.54	0.11	-0.11	0.11
6629	0.7	304.4	6628.71	12.04	7.58	12.04	-0.33	22.67	0.47
6718	1.2	310.4	6717.7	12.95	6.42	12.95	0.56	6.74	0.57
6807	0.2	215.1	6806.69	13.42	5.62	13.42	-1.12	-107.08	1.39
6897	1	187.1	6896.69	12.52	5.44	12.52	0.89	-31.11	0.92
6986	0.9	205.3	6985.67	11.11	5.04	11.11	-0.11	20.45	0.36
7076	0.6	193.7	7075.67	10.02	4.63	10.02	-0.33	-12.89	0.37
7165	0.6	236.1	7164.66	9.3	4.13	9.3	0	47.64	0.49
7255	0.7	190.8	7254.66	8.5	3.64	8.5	0.11	-50.33	0.57
7344	0.7	215.5	7343.65	7.53	3.22	7.53	0	27.75	0.34
7433	0.3	229.3	7432.65	6.93	2.73	6.93	-0.45	15.51	0.47
7523	0.3	274.3	7522.65	6.79	2.31	6.79	0	50	0.26
7612	0.5	145.1	7611.64	6.49	2.3	6.49	0.22	-145.17	0.82
7702	0.6	156.4	7701.64	5.74	2.72	5.74	0.11	12.56	0.16
7791	0.4	195.9	7790.64	5.01	2.82	5.01	-0.22	44.38	0.43
7878	0.7	165.4	7877.63	4.21	2.87	4.21	0.34	-35.06	0.47
7968	0.4	135.5	7967.63	3.45	3.23	3.45	-0.33	-33.22	0.45
8057	0.6	147.3	8056.63	2.84	3.7	2.84	0.22	13.26	0.25
8147	1	150.5	8146.62	1.76	4.34	1.76	0.44	3.56	0.45
8236	1.2	161.1	8235.6	0.2	5.02	0.2	0.22	11.91	0.32
8325	0.4	191.7	8324.59	-0.99	5.26	-0.99	-0.9	34.38	0.99
8415	0.4	253.3	8414.59	-1.38	4.9	-1.38	0	68.44	0.46
8504	0.9	253.2	8503.58	-1.68	3.93	-1.68	0.56	-0.11	0.56
8593	0.5	256.1	8592.58	-1.97	2.88	-1.97	-0.45	3.26	0.45
8683	0.3	336	8682.57	-1.85	2.41	-1.85	-0.22	88.78	0.6
8772	0.2	136.2	8771.57	-1.75	2.42	-1.75	-0.11	-224.49	0.55
8861	0.3	83.2	8860.57	-1.83	2.76	-1.83	0.11	-59.55	0.27
8951	0.2	357.7	8950.57	-1.65	2.99	-1.65	-0.11	-95	0.39
9040	0.4	7.3	9039.57	-1.19	3.02	-1.19	0.22	10.79	0.23
9130	0.3	35.5	9129.57	-0.68	3.2	-0.68	-0.11	31.33	0.22
9220	0.6	307.2	9219.57	-0.21	2.96	-0.21	0.33	-98.11	0.74
9309	0.6	327.1	9308.56	0.47	2.33	0.47	0	22.36	0.23
9399	0.5	329.2	9398.56	1.2	1.88	1.2	-0.11	2.33	0.11
9488	0.4	359.5	9487.56	1.85	1.67	1.85	-0.11	34.04	0.29
9577	0.4	358.5	9576.55	2.47	1.66	2.47	0	-1.12	0.01
9667	0.4	33.2	9666.55	3.04	1.83	3.04	0	38.56	0.27
9756	0.1	296.2	9755.55	3.34	1.93	3.34	-0.34	-108.99	0.48
9846	0.2	88.5	9845.55	3.38	2.01	3.38	0.11	169.22	0.32
9936	0.5	49.5	9935.55	3.64	2.47	3.64	0.33	-43.33	0.41
10025	0.4	40.8	10024.55	4.12	2.97	4.12	-0.11	-9.78	0.14
10114	0.7	320.7	10113.54	4.78	2.83	4.78	0.34	-90	0.84
10204	0.9	315.2	10203.54	5.71	1.98	5.71	0.22	-6.11	0.24
10293	0.6	299.6	10292.53	6.43	1.08	6.43	-0.34	-17.53	0.4
10383	0.6	292.7	10382.52	6.85	0.24	6.85	0	-7.67	0.08
10472	0.6	235.1	10471.52	6.76	-0.57	6.76	0	-64.72	0.65
10562	0.9	205.2	10561.51	5.85	-1.26	5.85	0.33	-33.22	0.54
10651	1	200.8	10650.5	4.49	-1.83	4.49	0.11	-4.94	0.14
10740	1.1	208.1	10739.48	3.01	-2.51	3.01	0.11	8.2	0.19
10829	1.2	215.2	10828.47	1.5	-3.45	1.5	0.11	7.98	0.2
10919	1.2	209	10918.45	-0.1	-4.45	-0.1	0	-6.89	0.14
11009	1.1	198.7	11008.43	-1.74	-5.19	-1.74	-0.11	-11.44	0.25

Survey Report: Survey (0)

Operator	R360 Environmental Solutions	Northing	565676.200	Date	3-Dec-15
Dir. Co.	M3P Directional	Easting	718199.160	System	2 - St. Plane
Well Name	Survey (0)	Elevation	3560.00	Datum	1983 - NAD83
Location	Lea Co. NM.	Latitude	32.553790	Zone	3001 - New Mexico East
Rig	Precision #593	Longitude	103.759317	Scale Fac.	
Job	2015019	Units	Feet	Converg.	

MD	INC	AZI	TVD	+N/S-	+E/W-	VS@0°	BR	TR	DLS
11099	0.8	166.2	11098.42	-3.17	-5.31	-3.17	-0.33	-36.11	0.67
11190	0.7	170.6	11189.41	-4.33	-5.07	-4.33	-0.11	4.84	0.13
11279	0.7	209.2	11278.4	-5.34	-5.25	-5.34	0	43.37	0.52
11370	0.9	229.5	11369.39	-6.29	-6.06	-6.29	0.22	22.31	0.38
11460	0.1	182.3	11459.39	-6.83	-6.6	-6.83	-0.89	-52.44	0.93
11550	0.3	93.1	11549.39	-6.92	-6.37	-6.92	0.22	-99.11	0.35
11640	0.1	356.1	11639.39	-6.86	-6.14	-6.86	-0.22	292.22	0.36
11730	0.4	346.9	11729.39	-6.47	-6.22	-6.47	0.33	-10.22	0.34
11820	0.5	325.1	11819.39	-5.84	-6.51	-5.84	0.11	-24.22	0.22
11909	0.5	328.6	11908.38	-5.19	-6.94	-5.19	0	3.93	0.03
11999	0.4	321.6	11998.38	-4.61	-7.34	-4.61	-0.11	-7.78	0.13
12088	0.3	342	12087.38	-4.15	-7.6	-4.15	-0.11	22.92	0.18
12178	0	356.5	12177.38	-3.92	-7.68	-3.92	-0.33	16.11	0.33
12267	0.2	20.4	12266.38	-3.78	-7.62	-3.78	0.22	26.85	0.22
12357	0.5	300	12356.38	-3.43	-7.91	-3.43	0.33	-89.33	0.56
12447	0.6	309	12446.37	-2.94	-8.61	-2.94	0.11	10	0.15
12537	0.4	299.7	12536.37	-2.49	-9.25	-2.49	-0.22	-10.33	0.24
12627	0.5	322.7	12626.37	-2.02	-9.76	-2.02	0.11	25.56	0.23
12718	0.4	5.9	12717.36	-1.39	-9.97	-1.39	-0.11	47.47	0.38
12808	0.1	90.6	12807.36	-1.08	-9.86	-1.08	-0.33	94.11	0.45
12898	0.2	33.8	12897.36	-0.95	-9.69	-0.95	0.11	-63.11	0.19
12988	0.6	32.1	12987.36	-0.42	-9.36	-0.42	0.44	-1.89	0.44
13077	0.6	50.3	13076.35	0.27	-8.75	0.27	0	20.45	0.21
13167	0.7	30.8	13166.35	1.05	-8.11	1.05	0.11	-21.67	0.27
13257	0.3	44	13256.34	1.69	-7.66	1.69	-0.44	14.67	0.46
13347	0.7	32.1	13346.34	2.33	-7.2	2.33	0.44	-13.22	0.46
13437	0.7	333.9	13436.34	3.28	-7.15	3.28	0	-64.67	0.76
13527	1.4	344.9	13526.32	4.84	-7.68	4.84	0.78	12.22	0.81
13616	1.1	10.7	13615.3	6.73	-7.81	6.73	-0.34	28.99	0.71
13706	0.6	314.7	13705.29	7.91	-7.98	7.91	-0.56	-62.22	1.01
13796	1.5	292.4	13795.27	8.69	-9.41	8.69	1	-24.78	1.08
13885	1.5	323.9	13884.25	10.08	-11.17	10.08	0	35.39	0.91
13974	0.9	309.1	13973.23	11.46	-12.4	11.46	-0.67	-16.63	0.75
14064	0.5	304.8	14063.22	12.13	-13.27	12.13	-0.44	-4.78	0.45
14151	0.6	292.5	14150.22	12.52	-14	12.52	0.11	-14.14	0.18
14241	0.7	282.7	14240.21	12.82	-14.97	12.82	0.11	-10.89	0.17
14332	0.6	275.7	14331.2	12.99	-15.99	12.99	-0.11	-7.69	0.14
14423	0.8	292.2	14422.2	13.28	-17.05	13.28	0.22	18.13	0.31
14512	1.3	294.5	14511.18	13.93	-18.55	13.93	0.56	2.58	0.56
14692	1.1	156.6	14691.16	13.19	-19.72	13.19	-0.11	-76.61	1.25
14790	0.8	178.2	14789.15	11.64	-19.32	11.64	-0.31	22.04	0.47
14885	2.1	128.6	14884.12	9.89	-17.94	9.89	1.37	-52.21	1.78
14980	2.2	127.3	14979.06	7.7	-15.13	7.7	0.11	-1.37	0.12
15074	1.3	173.4	15073.01	5.55	-13.57	5.55	-0.96	49.04	1.7
15169	0.9	185	15168	3.74	-13.51	3.74	-0.42	12.21	0.48
15264	0.6	159.6	15262.99	2.53	-13.41	2.53	-0.32	-26.74	0.46
15359	0.7	161.1	15357.98	1.51	-13.04	1.51	0.11	1.58	0.11
15454	0.4	198.1	15452.98	0.65	-12.96	0.65	-0.32	38.95	0.47
15549	0.8	205.3	15547.97	-0.27	-13.35	-0.27	0.42	7.58	0.43
15643	0.1	243.6	15641.97	-0.9	-13.7	-0.9	-0.74	40.74	0.77
15738	0.4	46	15736.97	-0.7	-13.54	-0.7	0.32	-208	0.52
15833	2.5	30.6	15831.93	1.31	-12.24	1.31	2.21	-16.21	2.23
15927	2.8	32.2	15925.83	5.02	-9.98	5.02	0.32	1.7	0.33

Survey Report: Survey (0)

Operator	**R360 Environmental Solutions**	**Northing**	565676.200	**Date**	3-Dec-15
Dir. Co.	**M3P Directional**	**Easting**	718199.160	**System**	2 - St. Plane
Well Name	**Survey (0)**	**Elevation**	3560.00	**Datum**	1983 - NAD83
Location	Lea Co. NM.	**Latitude**	32.553790	**Zone**	3001 - New Mexico East
Rig	Precision #593	**Longitude**	103.759317	**Scale Fac.**	
Job	2015019	**Units**	Feet	**Converg.**	

MD	INC	AZI	TVD	+N/S-	+E/W-	VS@0°	BR	TR	DLS
16009	2.8	32.2	16007.74	8.41	-7.84	8.41	0	0	0

16009: PTB