

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
FEB 19 2020
HOBBS OGD
RECEIVED

WELL API NO. 30-041-20990
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Jennifer Chaveroo San Andres Unit
8. Well Number 353 H
9. OGRID Number 164557
10. Pool name or Wildcat Chaveroo; San Andres (12049)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4350' Surface

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator
Ridgeway Arizona Oil Corp

3. Address of Operator
575 N Dairy Ashford Rd, EC II, Suite 210, Houston, TX 77079

4. Well Location

Unit Letter O : 250 feet from the S line and 2658 feet from the W line
Section 35 Township 07S Range 33E NMPM County ROOSEVELT

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4350' Surface

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: DIRECTIONAL SURVEY ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Attached is the final directional survey for the subject well.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE William Boyd TITLE Land & Regulatory Manager DATE 1/30/2020

Type or print name William Boyd E-mail address: wboyd@pedevco.com PHONE: (713) 574-7912
For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 02/08/2020
Conditions of Approval (if any):

Titan Directional Drilling

Survey Report

Company:	Ridgeway Arizona Oil Corp.	Local Co-ordinate Reference:	Well Jennifer Chaveroo SAU #353H
Project:	Permian NM E'83	TVD Reference:	GL+KB @ 4366.00usft (Norton #6)
Site:	JC SAU 353H Pad S-N	MD Reference:	GL+KB @ 4366.00usft (Norton #6)
Well:	Jennifer Chaveroo SAU #353H	North Reference:	Grid
Wellbore:	#353H OH	Survey Calculation Method:	Minimum Curvature
Design:	#353H OH	Database:	EDM 5k-14

Project	Permian NM E'83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	JC SAU 353H Pad S-N, Centered on est. 353 LTP 330'FNL s 1/2		
Site Position:		Northing:	975,143.97 usft
From:	Map	Easting:	783,967.94 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	33° 40' 40.637 N
		Longitude:	103° 32' 8.768 W
		Grid Convergence:	0.44 °

Well	Jennifer Chaveroo SAU #353H		
Well Position	+N/-S	0.00 usft	Northing: 967,783.50 usf
	+E/-W	0.00 usft	Easting: 783,980.40 usf
Position Uncertainty	0.00 usft	Wellhead Elevation:	usf
		Latitude:	33° 39' 27.821 N
		Longitude:	103° 32' 9.293 W
		Ground Level:	4,350.00 usf

Wellbore	#353H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	08/23/19	6.81	61.33	48,551.38044320

Design	#353H OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00		359.79

Survey Program	Date 10/03/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
143.00	9,793.00	Survey #1 (#353H OH)	MWD	MWD - Standard
9,849.00	9,849.00	Projection (#353H OH)	ZERO-ERROR	Zero Error

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
JCSAU 353H SL										
143.00	0.30	180.90	143.00	-0.37	-0.01	-0.37	0.21	0.21	0.00	
234.00	0.30	228.50	234.00	-0.77	-0.19	-0.77	0.27	0.00	52.31	
325.00	1.10	195.70	324.99	-1.77	-0.60	-1.77	0.95	0.88	-36.04	
417.00	2.80	185.70	416.93	-4.86	-1.07	-4.85	1.88	1.85	-10.87	
508.00	4.00	186.40	507.77	-10.22	-1.64	-10.22	1.32	1.32	0.77	
598.00	5.70	191.60	597.45	-17.72	-2.89	-17.71	1.95	1.89	5.78	
691.00	7.50	188.80	689.83	-28.24	-4.75	-28.23	1.97	1.94	-3.01	
783.00	9.40	186.00	780.83	-41.65	-6.45	-41.63	2.11	2.07	-3.04	

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Site: JC SAU 353H Pad S-N	MD Reference: GL+KB @ 4366.00usft (Norton #6)
Well: Jennifer Chaveroo SAU #353H	North Reference: Grid
Wellbore: #353H OH	Survey Calculation Method: Minimum Curvature
Design: #353H OH	Database: EDM 5k-14

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
874.00	10.90	186.20	870.40	-57.59	-8.16	-57.56	1.65	1.65	0.22
966.00	13.00	183.50	960.40	-76.57	-9.73	-76.54	2.36	2.28	-2.93
1,057.00	14.90	182.50	1,048.71	-98.48	-10.86	-98.44	2.10	2.09	-1.10
1,148.00	16.50	182.30	1,136.31	-123.08	-11.89	-123.04	1.76	1.76	-0.22
1,240.00	17.10	180.20	1,224.39	-149.66	-12.46	-149.62	0.93	0.65	-2.28
1,331.00	17.10	179.20	1,311.37	-176.42	-12.32	-176.37	0.32	0.00	-1.10
1,421.00	18.10	177.70	1,397.15	-203.62	-11.58	-203.58	1.22	1.11	-1.67
1,515.00	17.90	175.50	1,486.55	-232.61	-9.86	-232.57	0.75	-0.21	-2.34
1,609.00	17.20	176.30	1,576.18	-260.88	-7.83	-260.85	0.79	-0.74	0.85
1,703.00	16.00	175.10	1,666.26	-287.66	-5.82	-287.64	1.33	-1.28	-1.28
1,797.00	16.80	176.90	1,756.43	-314.13	-3.98	-314.12	1.01	0.85	1.91
1,892.00	18.70	177.40	1,846.91	-343.06	-2.55	-343.05	2.01	2.00	0.53
1,987.00	18.30	178.30	1,937.00	-373.18	-1.42	-373.17	0.52	-0.42	0.95
2,082.00	17.70	178.80	2,027.35	-402.53	-0.67	-402.52	0.65	-0.63	0.53
2,175.00	17.30	178.30	2,116.04	-430.48	0.04	-430.48	0.46	-0.43	-0.54
2,228.00	18.20	177.20	2,166.52	-446.63	0.67	-446.63	1.81	1.70	-2.08
2,285.00	17.62	176.51	2,220.76	-464.13	1.63	-464.13	1.08	-1.02	-1.22
9 5/8"									
2,376.00	16.70	175.30	2,307.71	-490.91	3.55	-490.92	1.08	-1.01	-1.32
2,468.00	14.60	177.40	2,396.29	-515.67	5.15	-515.68	2.36	-2.28	2.28
2,559.00	14.10	176.00	2,484.45	-538.18	6.45	-538.20	0.67	-0.55	-1.54
2,651.00	15.30	181.10	2,573.44	-561.50	7.00	-561.52	1.92	1.30	5.54
2,742.00	16.40	182.10	2,660.98	-586.34	6.30	-586.36	1.25	1.21	1.10
2,832.00	16.40	174.60	2,747.33	-611.69	7.03	-611.71	2.35	0.00	-8.33
2,926.00	16.80	176.00	2,837.41	-638.45	9.22	-638.48	0.60	0.43	1.49
3,020.00	16.10	177.20	2,927.56	-665.02	10.81	-665.06	0.83	-0.74	1.28
3,115.00	15.30	175.50	3,019.02	-690.68	12.43	-690.72	0.97	-0.84	-1.79
3,210.00	15.70	179.30	3,110.57	-716.03	13.57	-716.07	1.15	0.42	4.00
3,304.00	16.10	179.50	3,200.97	-741.78	13.84	-741.82	0.43	0.43	0.21
3,399.00	15.00	179.30	3,292.49	-767.24	14.11	-767.29	1.16	-1.16	-0.21
3,430.00	13.10	179.70	3,322.56	-774.77	14.18	-774.81	6.14	-6.13	1.29
3,462.00	10.60	178.30	3,353.88	-781.34	14.28	-781.38	7.86	-7.81	-4.38
3,493.00	7.80	178.30	3,384.48	-786.29	14.43	-786.34	9.03	-9.03	0.00
3,525.00	5.30	178.60	3,416.27	-789.94	14.53	-789.99	7.81	-7.81	0.94
3,556.00	2.90	175.30	3,447.18	-792.15	14.63	-792.20	7.78	-7.74	-10.65
3,587.00	0.60	126.40	3,478.17	-793.03	14.82	-793.08	8.21	-7.42	-157.74
3,595.00	0.54	49.12	3,486.17	-793.03	14.89	-793.08	8.91	-0.75	-965.99
5 1/2" *									
3,618.00	2.40	4.60	3,509.16	-792.48	15.01	-792.53	8.91	8.09	-193.57
3,650.00	4.80	1.40	3,541.09	-790.47	15.09	-790.52	7.52	7.50	-10.00
3,681.00	7.30	358.80	3,571.92	-787.21	15.08	-787.26	8.11	8.06	-8.39
3,713.00	9.60	357.20	3,603.57	-782.51	14.91	-782.56	7.22	7.19	-5.00
3,745.00	11.50	355.80	3,635.03	-776.66	14.55	-776.71	5.99	5.94	-4.38

Titan Directional Drilling

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Wellbore: #353H OH	Survey Calculation Method: Minimum Curvature
Design: #353H OH	Database: EDM 5k-14

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,777.00	13.80	356.90	3,666.25	-769.67	14.11	-769.71	7.23	7.19	3.44
3,808.00	16.00	359.90	3,696.20	-761.70	13.90	-761.75	7.52	7.10	9.68
3,839.00	18.30	2.70	3,725.82	-752.57	14.12	-752.61	7.88	7.42	9.03
3,869.00	20.70	3.40	3,754.10	-742.57	14.66	-742.62	8.04	8.00	2.33
3,900.00	23.20	3.00	3,782.85	-731.00	15.30	-731.05	8.08	8.06	-1.29
3,916.00	24.59	2.46	3,797.48	-724.53	15.61	-724.58	8.81	8.70	-3.39
7" •									
3,931.00	25.90	2.00	3,811.05	-718.13	15.86	-718.19	8.81	8.72	-3.05
3,962.00	28.80	0.90	3,838.58	-703.90	16.21	-703.95	9.50	9.35	-3.55
3,993.00	31.70	0.20	3,865.36	-688.28	16.36	-688.34	9.42	9.35	-2.26
4,025.00	34.50	0.40	3,892.16	-670.81	16.45	-670.87	8.76	8.75	0.63
4,055.00	37.40	0.70	3,916.44	-653.20	16.62	-653.26	9.68	9.67	1.00
4,087.00	40.40	0.70	3,941.34	-633.11	16.87	-633.17	9.38	9.38	0.00
4,119.00	43.20	0.70	3,965.20	-611.78	17.13	-611.84	8.75	8.75	0.00
4,150.00	45.80	0.60	3,987.31	-590.06	17.37	-590.12	8.39	8.39	-0.32
4,181.00	48.50	0.40	4,008.39	-567.33	17.57	-567.39	8.72	8.71	-0.65
4,213.00	51.10	0.00	4,029.04	-542.90	17.65	-542.96	8.18	8.13	-1.25
4,243.00	53.80	359.90	4,047.32	-519.11	17.63	-519.17	9.00	9.00	-0.33
4,275.00	56.80	359.70	4,065.54	-492.81	17.54	-492.87	9.39	9.38	-0.63
4,295.00	57.74	359.83	4,076.35	-475.98	17.47	-476.04	4.72	4.69	0.63
Tangent Start									
4,307.00	58.30	359.90	4,082.71	-465.80	17.45	-465.87	4.72	4.69	0.62
4,337.00	58.80	0.00	4,098.36	-440.21	17.42	-440.27	1.69	1.67	0.33
4,368.00	59.40	0.00	4,114.28	-413.61	17.42	-413.67	1.94	1.94	0.00
4,399.00	59.90	0.20	4,129.94	-386.86	17.47	-386.92	1.71	1.61	0.65
4,430.00	60.30	0.70	4,145.39	-359.99	17.68	-360.05	1.90	1.29	1.61
4,461.00	60.80	0.50	4,160.64	-333.00	17.96	-333.06	1.71	1.61	-0.65
4,493.00	61.40	0.60	4,176.10	-304.98	18.23	-305.05	1.89	1.88	0.31
4,524.00	62.00	0.90	4,190.80	-277.69	18.59	-277.76	2.11	1.94	0.97
4,555.00	63.10	0.70	4,205.09	-250.18	18.97	-250.25	3.59	3.55	-0.65
4,556.00	63.18	0.68	4,205.54	-249.29	18.99	-249.36	8.24	8.12	-1.60
S3 Entry - JCSAU 353H S35 Entry									
4,560.00	63.51	0.62	4,207.33	-245.72	19.03	-245.78	8.25	8.12	-1.59
Tangent End									
4,587.00	65.70	0.20	4,218.91	-221.33	19.20	-221.40	8.25	8.13	-1.56
4,618.00	68.70	359.50	4,230.93	-192.75	19.12	-192.82	9.90	9.68	-2.26
4,650.00	71.20	359.20	4,241.90	-162.70	18.78	-162.76	7.86	7.81	-0.94
4,681.00	73.60	359.30	4,251.27	-133.15	18.39	-133.22	7.75	7.74	0.32
4,712.00	75.70	359.50	4,259.47	-103.26	18.08	-103.33	6.80	6.77	0.65
4,744.00	78.10	359.70	4,266.73	-72.10	17.86	-72.16	7.52	7.50	0.63
4,776.00	80.00	359.70	4,272.80	-40.68	17.70	-40.75	5.94	5.94	0.00
4,807.00	81.40	359.50	4,277.81	-10.09	17.49	-10.16	4.56	4.52	-0.65
4,838.00	82.90	359.20	4,282.05	20.62	17.14	20.55	4.93	4.84	-0.97
4,870.00	84.80	359.00	4,285.48	52.43	16.64	52.36	5.97	5.94	-0.63

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Well: Jennifer Chaveroo SAU #353H	North Reference: Grid
Wellbore: #353H OH	Survey Calculation Method: Minimum Curvature
Design: #353H OH	Database: EDM 5k-14

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,898.00	85.94	359.18	4,287.74	80.33	16.19	80.27	4.11	4.06	0.63
330' Entry - JCSAU 353H 330' Entry									
4,902.00	86.10	359.20	4,288.01	84.32	16.14	84.26	4.11	4.06	0.62
4,934.00	87.80	359.00	4,289.72	116.27	15.64	116.21	5.35	5.31	-0.63
4,965.00	89.00	359.50	4,290.58	147.25	15.23	147.20	4.19	3.87	1.61
4,996.00	89.60	359.70	4,290.96	178.25	15.01	178.19	2.04	1.94	0.65
5,038.00	90.10	1.10	4,291.07	220.25	15.31	220.19	3.54	1.19	3.33
5,132.00	90.70	0.90	4,290.42	314.23	16.95	314.17	0.67	0.64	-0.21
5,227.00	89.90	359.90	4,289.92	409.23	17.61	409.16	1.35	-0.84	-1.05
5,321.00	91.00	359.70	4,289.18	503.22	17.28	503.15	1.19	1.17	-0.21
5,414.00	89.30	359.50	4,288.94	596.22	16.63	596.15	1.84	-1.83	-0.22
5,509.00	90.30	0.00	4,289.27	691.21	16.22	691.15	1.18	1.05	0.53
5,602.00	90.90	0.70	4,288.29	784.20	16.79	784.14	0.99	0.65	0.75
5,697.00	90.50	0.20	4,287.13	879.19	17.53	879.12	0.67	-0.42	-0.53
5,792.00	90.40	359.70	4,286.39	974.19	17.45	974.12	0.54	-0.11	-0.53
5,884.00	91.00	359.30	4,285.26	1,066.18	16.65	1,066.11	0.78	0.65	-0.43
5,979.00	89.30	359.70	4,285.01	1,161.17	15.82	1,161.11	1.84	-1.79	0.42
6,072.00	89.30	0.00	4,286.15	1,254.16	15.57	1,254.10	0.32	0.00	0.32
6,165.00	89.20	359.50	4,287.37	1,347.16	15.17	1,347.09	0.55	-0.11	-0.54
6,259.00	88.20	359.90	4,289.50	1,441.13	14.68	1,441.07	1.15	-1.06	0.43
6,354.00	89.60	359.50	4,291.32	1,536.11	14.18	1,536.04	1.53	1.47	-0.42
6,449.00	91.00	359.20	4,290.83	1,631.10	13.10	1,631.04	1.51	1.47	-0.32
6,543.00	90.80	0.60	4,289.35	1,725.08	12.94	1,725.02	1.50	-0.21	1.49
6,637.00	90.20	0.20	4,288.53	1,819.08	13.59	1,819.01	0.77	-0.64	-0.43
6,727.00	90.90	359.90	4,287.67	1,909.07	13.67	1,909.01	0.85	0.78	-0.33
6,818.00	89.40	358.80	4,287.43	2,000.06	12.64	2,000.00	2.04	-1.65	-1.21
6,909.00	89.50	357.70	4,288.30	2,091.01	9.86	2,090.96	1.21	0.11	-1.21
7,000.00	91.00	358.10	4,287.90	2,181.95	6.53	2,181.91	1.71	1.65	0.44
7,091.00	92.90	358.80	4,284.81	2,272.86	4.07	2,272.83	2.22	2.09	0.77
7,181.00	92.20	358.60	4,280.80	2,362.75	2.03	2,362.72	0.81	-0.78	-0.22
7,274.00	92.60	359.70	4,276.91	2,455.65	0.65	2,455.63	1.26	0.43	1.18
7,366.00	91.60	0.00	4,273.54	2,547.59	0.41	2,547.57	1.13	-1.09	0.33
7,458.00	91.50	0.00	4,271.05	2,639.55	0.41	2,639.54	0.11	-0.11	0.00
7,549.00	91.50	0.60	4,268.67	2,730.52	0.88	2,730.50	0.66	0.00	0.66
7,641.00	90.60	359.90	4,266.98	2,822.50	1.28	2,822.48	1.24	-0.98	-0.76
7,732.00	90.70	359.30	4,265.95	2,913.50	0.65	2,913.47	0.67	0.11	-0.66
7,824.00	90.60	359.30	4,264.91	3,005.48	-0.47	3,005.46	0.11	-0.11	0.00
7,909.00	91.30	359.50	4,263.50	3,090.47	-1.36	3,090.45	0.86	0.82	0.24
7,999.00	90.90	359.50	4,261.77	3,180.45	-2.15	3,180.43	0.44	-0.44	0.00
8,093.00	89.60	359.70	4,261.36	3,274.44	-2.81	3,274.43	1.40	-1.38	0.21
8,186.00	89.10	359.70	4,262.41	3,367.43	-3.29	3,367.42	0.54	-0.54	0.00
8,280.00	90.00	0.00	4,263.15	3,461.43	-3.54	3,461.42	1.01	0.96	0.32
8,374.00	91.40	359.90	4,262.00	3,555.42	-3.62	3,555.41	1.49	1.49	-0.11
8,470.00	92.70	359.70	4,258.57	3,651.36	-3.96	3,651.35	1.37	1.35	-0.21

Titan Directional Drilling

Survey Report

Company: Ridgeway Arizona Oil Corp.
Project: Permian NM E'83
Site: JC SAU 353H Pad S-N
Well: Jennifer Chaveroo SAU #353H
Wellbore: #353H OH
Design: #353H OH

Local Co-ordinate Reference: Well Jennifer Chaveroo SAU #353H
TVD Reference: GL+KB @ 4366.00usft (Norton #6)
MD Reference: GL+KB @ 4366.00usft (Norton #6)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5k-14

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,564.00	89.90	358.40	4,256.44	3,745.31	-5.51	3,745.30	3.28	-2.98	-1.38
8,659.00	90.90	358.40	4,255.77	3,840.27	-8.17	3,840.27	1.05	1.05	0.00
8,753.00	90.20	359.30	4,254.87	3,934.24	-10.05	3,934.25	1.21	-0.74	0.96
8,847.00	90.10	359.20	4,254.62	4,028.23	-11.28	4,028.25	0.15	-0.11	-0.11
8,941.00	91.20	358.40	4,253.56	4,122.20	-13.25	4,122.22	1.45	1.17	-0.85
9,037.00	91.30	359.00	4,251.46	4,218.16	-15.43	4,218.18	0.63	0.10	0.63
9,131.00	92.00	359.90	4,248.76	4,312.11	-16.33	4,312.14	1.21	0.74	0.96
9,214.00	91.74	0.34	4,246.05	4,395.07	-16.16	4,395.10	0.61	-0.32	0.53
5 1/2"									
9,226.00	91.70	0.40	4,245.69	4,407.06	-16.08	4,407.09	0.61	-0.32	0.53
9,320.00	90.80	0.60	4,243.64	4,501.03	-15.26	4,501.06	0.98	-0.96	0.21
9,414.00	90.50	0.60	4,242.57	4,595.02	-14.28	4,595.04	0.32	-0.32	0.00
9,509.00	89.70	0.60	4,242.41	4,690.02	-13.28	4,690.03	0.84	-0.84	0.00
9,604.00	90.40	0.20	4,242.33	4,785.01	-12.62	4,785.03	0.85	0.74	-0.42
9,699.00	90.00	0.20	4,241.99	4,880.01	-12.29	4,880.02	0.42	-0.42	0.00
9,759.00	90.13	0.07	4,241.93	4,940.01	-12.15	4,940.02	0.30	0.21	-0.21
100' Exit - JCSAU 353H 100'Exit									
9,793.00	90.20	0.00	4,241.83	4,974.01	-12.12	4,974.02	0.30	0.21	-0.21
9,849.00	90.20	0.00	4,241.63	5,030.01	-12.12	5,030.02	0.00	0.00	0.00
JCSAU 353H BHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
JCSAU 353H SL - actual wellpath hits target center - Point	0.00	0.01	0.00	0.00	0.00	967,783.50	783,980.40	33° 39' 27.821 N	103° 32' 9.293 W
JCSAU 353H S35 - actual wellpath hits target center - Point	0.00	0.00	4,205.54	-249.29	18.99	967,534.22	783,999.39	33° 39' 25.353 N	103° 32' 9.091 W
JCSAU 353H BHL - actual wellpath hits target center - Point	0.00	0.00	4,241.63	5,030.01	-12.12	972,813.39	783,968.27	33° 40' 17.581 N	103° 32' 8.977 W
JCSAU 353H 100'Exit - actual wellpath hits target center - Point	0.00	0.00	4,241.93	4,940.01	-12.15	972,723.39	783,968.25	33° 40' 16.691 N	103° 32' 8.986 W
JCSAU 353H - actual wellpath hits target center - Point	0.00	0.00	4,287.74	80.33	16.19	967,863.83	783,996.59	33° 39' 28.614 N	103° 32' 9.094 W

Titan Directional Drilling

Survey Report

Company: Ridgeway Arizona Oil Corp.
Project: Permian NM E'83
Site: JC SAU 353H Pad S-N
Well: Jennifer Chaveroo SAU #353H
Wellbore: #353H OH
Design: #353H OH

Local Co-ordinate Reference: Well Jennifer Chaveroo SAU #353H
TVD Reference: GL+KB @ 4366.00usft (Norton #6)
MD Reference: GL+KB @ 4366.00usft (Norton #6)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5k-14

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
2,285.00	2,220.76	9 5/8"	9-5/8	12-1/4
3,595.00	3,486.17	5 1/2" *	5-1/2	8-3/4
3,916.00	3,797.48	7" *	7	8-3/4
9,214.00	4,246.05	5 1/2"	5-1/2	8-3/4

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,556.00	4,205.54	-249.29	18.99	S3 Entry
4,560.00	4,207.33	-245.72	19.03	Tangent End
4,898.00	4,287.74	80.33	16.19	330' Entry
9,759.00	4,241.93	4,940.01	-12.15	100' Exit