

Schlumberger

Anadrill

MDC Operations
9900 West Interstate 20
Midland, Texas 79706
Phone (915) 563-3057
Fax (915) 563-3059

May 14, 1998

Oil Conservation Division
District I
P.O. Box 1960
Hobbs, New Mexico 88241-1960

Re: Ridgeway Arizona Oil Corporation
State North 36 #2
Section 36, T1N, R21W, Lot P
Catron County, New Mexico
API # 30-003-20026

Enclosed, please find the original and one copy of the survey performed on the referenced well by Anadrill, 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>
John Hawkes MWD I	#01	2857' to 3921'	4/24/98 - 4/29/98	MWD/D&I

A certified plat on which the bottom hole is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,



Tom Follis
MWD Coordinator

Cc: Ridgeway Arizona Oil Corporation

Enclosures: 2

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State of Texas
County of Midland

I, John Hawkes, certify that; I am employed by Anadrill, a division of Schlumberger Technology Corporation; that I did on the day's of 4/24/98 through 4/29/98 conduct or supervise the taking of MWD surveys from a depth of 2857 feet to a depth of 3921 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Anadrill, 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 Ridgeway Arizona Oil Corporation, for the State North 36 #2, API # 30-003-20026, in Catron County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Anadrill, a division of Schlumberger Technology Corporation.

A handwritten signature in cursive script, reading "John Hawkes".

John Hawkes,
MWD I

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Anadrill Schlumberger Survey Report

Ridgeway Arizona Oil Corporation
State North 36
Catron County, New Mexico

Magnetic Declination: 11.36 DEG

Tie In Point (TIP):

Measured Depth	2827	FT.
True Vertical Depth	2825.6	FT.
Inclination	.67	DEG
Azimuth	134.6	DEG
N/S Displacement(-ve for S)	21.24	FT.
E/W Displacement(-ve for W)	52.45	FT.

Azim. From Rotary Table To Target 315 DEG

Accepted Survey Listing:

M.Depth (ft)	Int. (ft)	TVD (ft)	TargetS (ft)	Incl. (deg)	Azim (deg)	N.Disp (ft)	E.Disp (ft)	T.Disp (ft)	Clr.Ang (deg)	DLS (D/HF)
2857	30	2855.54	-20.84	6.4	282	21.46	50.94	55.28	67.15	23.25
2878	21	2876.24	-17.87	12.6	285.6	22.32	47.59	52.56	64.87	29.64
2910	32	2906.71	-8.78	22.7	302	26.54	38.96	47.15	55.74	34.89
2941	31	2934.03	5.63	33.5	310.7	35.32	27.36	44.68	37.77	37.18
2973	32	2959.1	25.35	43.2	307.6	47.79	11.95	49.26	14.04	30.89
3004	31	2980.01	48.09	51.9	311.6	62.39	-5.62	62.65	354.86	29.62
3035	31	2997.67	73.53	58.6	315.2	79.9	-24.09	83.45	343.22	23.62
3066	31	3011.63	101.17	67.8	315.8	99.62	-43.46	108.69	336.43	29.73
3097	31	3021.15	130.64	76.4	314	120.41	-64.34	136.53	331.88	28.29
3127	30	3025.4	160.14	87.3	305.7	139.37	-87.1	164.35	328	45.47
3158	31	3026.29	190.74	89.4	306.2	157.56	-112.18	193.42	324.55	6.96
3196	38	3026.36	228.51	90.4	311.7	181.44	-141.72	230.23	322.01	14.71
3227	31	3025.76	259.45	91.8	311.5	202.02	-164.9	260.77	320.78	4.56
3258	31	3024.3	290.37	93.6	312.3	222.7	-187.95	291.41	319.84	6.35
3320	62	3020.35	352.15	93.7	311.3	263.94	-234.08	352.78	318.43	1.62
3352	32	3018.3	384.01	93.63	310.7	284.89	-258.18	384.47	317.82	1.88
3383	31	3016.68	414.87	92.35	310.2	304.97	-281.74	415.19	317.27	4.43
3412	29	3015.43	443.74	92.6	310.4	323.71	-303.84	443.96	316.81	1.1
3442	30	3013.91	473.61	93.2	310.5	343.15	-326.64	473.76	316.41	2.03
3474	32	3012.32	505.44	92.5	309.1	363.61	-351.19	505.52	315.99	4.89
3504	30	3010.83	535.27	93.2	310.2	382.73	-374.26	535.31	315.64	4.34
3535	31	3009.37	566.12	92.2	309.7	402.61	-398	566.13	315.33	3.61
3567	32	3008.59	597.94	90.6	308.7	422.83	-422.79	597.94	315	5.9
3597	30	3008.67	627.76	89.1	308.5	441.55	-446.23	627.76	314.7	5.04
3628	31	3009.16	658.55	89.1	308.4	460.82	-470.5	658.58	314.4	0.32
3659	31	3009.3	689.31	90.4	307.6	479.9	-494.93	689.39	314.12	4.92

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3722	63	3008.42	751.71	91.2	306.7	517.94	-545.14	751.96	313.53	1.91
3753	31	3007.77	782.31	91.2	305.1	536.11	-570.24	782.69	313.23	5.16
3815	62	3006.47	843.18	91.2	303.2	570.91	-621.54	843.94	312.57	3.06
3876	61	3005.09	902.7	91.4	301.6	603.59	-673.03	904.04	311.89	2.64
3921	45	3003.99	946.55	91.4	302.5	627.46	-711.16	948.4	311.42	2
Projected:										
3966	45	3002.89	990.47	91.4	302.5	651.63	-749.1	992.86	311.02	0

511 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-003-20026	Pool Code	Pool Name WILDRAT
Property Code 23095	Property Name North State 36	Well Number #2
OGRID No. 164557	Operator Name Ridgeway AZ Oil Corp.	Elevation 7307 ft (msl)

10 Surface Location

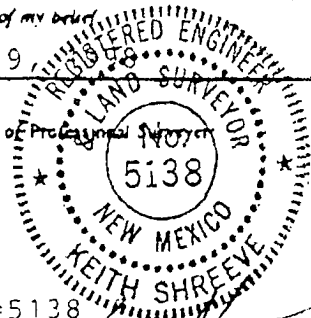
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	1N	21W	SE/SE	660 ft.	South	660 ft.	East	Catron

11 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
F	36	1N	21W		1980	North	1980	west	Catron

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

16 Latitude: $34^{\circ} 15' 41''$ Longitude: $108^{\circ} 59' 07''$	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Thomas White Printed Name Production Manager Title 3-23-98 Date
1980'	Proposed Bottom Hole Location 1980'
1980'	Bottom Hole Location 992.9' Displacement @ 311.0 Azimuth
1980'	660'
660'	18 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. March 19, 1998 Date of Survey Signature and Seal of Professional Surveyor  PE/PS #5138 Certificate Number