OCD-ARTESIA FEB 18 2009

Form 3160-4
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: NM 01159

1a. Type of Well: [X] Oil Well [ ] Gas Well [ ] Dry Other

b. Type of Completion: [X] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [ ] Diff.Resvr,. Other

6. If Indian, Allotee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: EOG Resources Inc.

8. Lease Name and Well No.: Sand Tank 9 Fed 2H

3. Address: P.O. Box 2267 Midland, Texas 79702

3a. Phone No. *(include area code)*: 432-686-3689

9. API Well No.: 30-015-36581

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 2210' FNL & 330' FEL, U/L H

At top prod. interval reported below

At total depth: 2231' FNL & 1648' FWL, U/L F

10. Field and Pool, or Exploratory: Sand Tank; Bone Spring

11. Sec., T., R., M., or Block and Survey or Area: Sec 9, T18S, R30E

12. County or Parish: Eddy

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
10/29/08	12/3/08	[ ] D & A [X] Ready to Prod. 1/26/09	3506' GL

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
11140 / 8103		

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

Lat, CND, Sonic

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run [X] No [ ] Yes (Submit report
Directional Survey? [ ] No [X] Yes (Submit copy)

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
14-3/4	11-3/4	42/H40		389		500 PP		surface	
11	8-5/8	32/K55		2782		555 POZ C, 200 PP		surface	
7-7/8	5-1/2	17/N80		11122		750 C, 750 H		surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	7409							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)	2nd Bone Spring	7590		8402 - 11075	0.42"	111	Producing
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
8402 - 11075	Frac w/ 20182 bbls 7.5% HCL acid, 9371 bbls 25 # Linear gel, 523705 lbs 16/30 sand, 62621 lbs 20/40 sand, 70601 lbs 16/30 Siberprop sand, 10737 bbls water.

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
1/26/09	2/4/09	24		67	158	92	40.0		Pumping
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	
32/64	100	60					2358	POW	

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. →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	

ACCEPTED FOR RECORD
FEB 16 2009
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See instructions and spaces for additional data on page 2)

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. →**	**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. →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	

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

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
				Yates	**1520'**
				Seven Rivers	**1920'**
				Queen	**2500'**
				Grayburg	**2720'**
				Loco Hills Sand	**3000'**
				San Andres	**3400'**
				1st Bone Spring Carbonate	**4450'**
				1st Bone Spring Sand	**6940'**
				2nd Bone Spring Carbonate	**7330'**
				2nd Bone Spring Sand	**7590'**

32. Additional remarks (include plugging procedure):

33. Indicate which items have bee attached by placing a check in the appropriate boxes:

[X] Electrical/Mechanical Logs (1 full set req'd) [ ] Geologic Report [ ] DST Report [X] Directional Survey

[ ] Sundry Notice for plugging and cement verification [ ] Core Analysis [ ] Other:

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

Name *(please print)* **Stan Wagner** Title **Regulatory Analyst**

Signature Stan Wagner Date **2/10/09**

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.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 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, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-36581	96832	Sand Tank; Bone Spring

Property Code	Property Name	Well Number
37108	SAND TANK 9 FED.	2H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	3506.9'

Surface Location

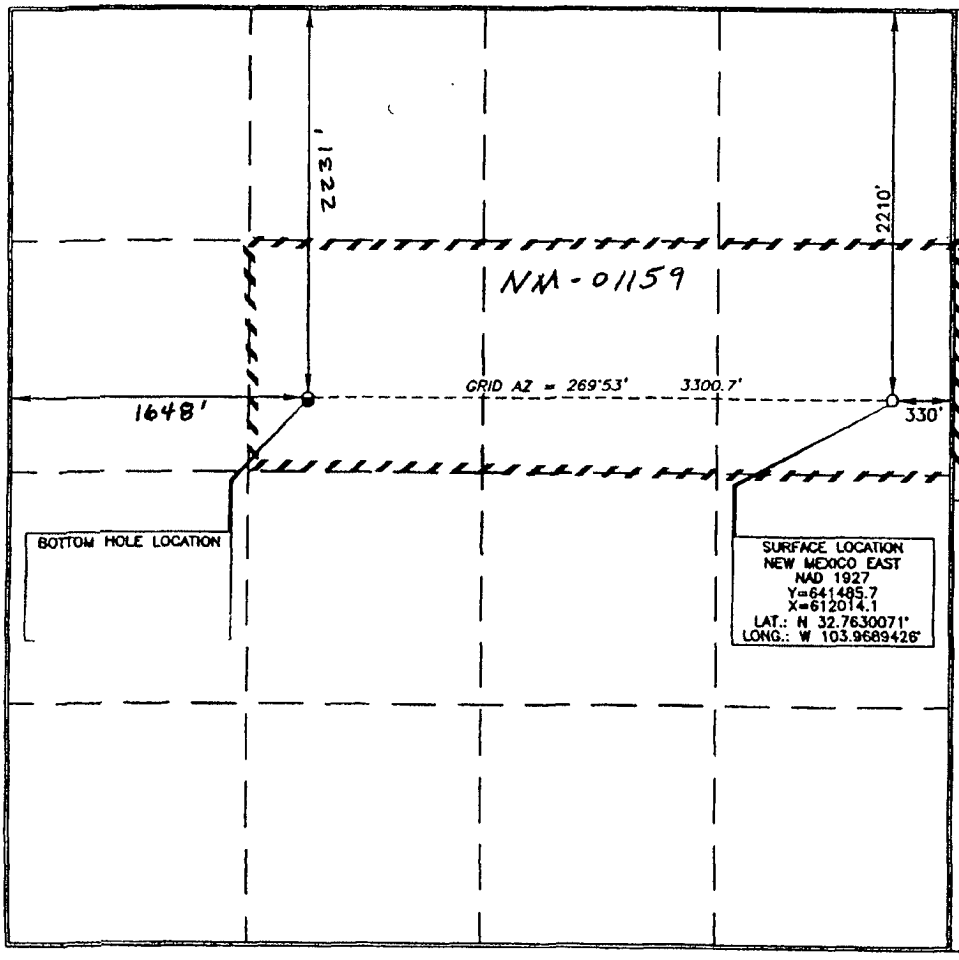
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	9	18 SOUTH	30 EAST, N.M.P.M.		2210	NORTH	330	EAST	EDDY

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
F	9	18 SOUTH	30 EAST, N.M.P.M.		2231	NORTH	1648	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120			

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 contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 5/2/08

Donny G. Glanton
Printed Name

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.

NEW MEXICO
15079
REGISTERED PROFESSIONAL LAND SURVEYOR

APRIL 22, 2008
Date of Survey

Signature and Seal of Professional Surveyor

4/25/2008

Certificate Number 15079

WO# 080422WL (KA)

Results of Directional Survey

API number:	30-015-36581			
OGRID:		Operator:	EOG RESOURCES INC	
		Property:	SAND TANK 9 FEDERAL	# 2H

surface	ULSTR:	H	09	T	18S	R	30E
			2210	FNL	330	FEL	
BH Loc	ULSTR:	F	09	T	18S	R	30E
			2231	FNL	3632	FEL	

	MD	N/S	E/W	VD
	8400	116.93	-567.67	8114.98
TOP PERFS/OH	**8402**	116.82	-569.67	8114.94
	8431	115.17	-598.62	8114.43
	11034	-15.56	-3196.52	8104.61
BOT PERFS/OH	**11075**	-17.85	-3237.45	8104.11
	11065	-17.29	-3227.47	8104.23

NEXT TO LAST	11034	-15.56	-3196.52	8104.61
LAST READING	11065	-17.29	-3227.47	8104.23
TD	**11140**	-21.48	-3302.35	8103.31

Surface Location	2210	FN	330	FE
Projected BHL	2231	FN	3632	FE
Location of				
Top Perfs/OH	2093	FN	900	FE
Bottom Perfs/OH	2228	FN	3567	FE

SUMMARY of Subsurface Locations

Surface Location	H-09-18S-30E	2210	FN	330	FE	Vert. Depth
Top Perfs/OH	H-09-18S-30E	2093	FN	900	FE	8114.94
Bottom Perfs/OH	F-09-18S-30E	2228	FN	3567	FE	8104.11
Projected TD	F-09-18S-30E	2231	FN	3632	FE	8103.31

Scientific Drilling

EOG

Field: Sand Tank Bone Springs
Site: Eddy County, NM
Well: San Tank 9 Federal #2H
Wellpath: VH - Job #32K1108918
Survey: 11/15/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Company Representative

Notorized this date 22nd of December, 2008.

Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2011

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	EOG	**Date:** 12/17/2008	**Time:** 13:23:18	**Page:**	1
Field:	Sand Tank Bone Springs	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	San Tank 9 Federal #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,269.88Azi)		
Wellpath:	VH - Job #32K1108918	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	11/15/08 KSRG 0'-8258'	**Start Date:**	11/15/2008
Company:	Scientific Drilling Internatio	**Engineer:**	Guebara w/GeoGyro
Tool:	Keeper;Keeper Surface Readout Gyro	**Tied-to:**	From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0 00	0.00	0.20	0.00	0.00	0.00	0.00	0 00	0.00	0.00
100.00	0.21	50.28	100.00	-0.14	0.12	0.14	0.21	0.18	50.28
200.00	0.42	6.86	200.00	-0.33	0 60	0.33	0.30	0.68	28.57
300 00	0.71	3.58	299.99	-0.41	1.58	0.41	0.29	1.63	14.48
400.00	1.22	348.23	399.98	-0 24	3.24	0.23	0.57	3.25	4.05
500.00	1.26	351.48	499.96	0.14	5.37	-0.15	0.08	5.37	358.40
600.00	1.27	351.39	599.93	0.46	7.55	-0.48	0.01	7.57	356.37
700.00	1.19	352.40	699.91	0.76	9.68	-0.78	0.08	9.71	355.38
800.00	1.28	346 98	799.88	1.15	11.80	-1.17	0.15	11.85	354.33
900 00	1.30	345.24	899.86	1.68	13.98	-1.71	0.04	14.09	353.02
1000.00	1.38	349.77	999.83	2.18	16.26	-2.21	0.13	16.41	352.24
1100.00	1.43	354 58	1099.80	2.51	18.69	-2.55	0.13	18.86	352.24
1200.00	1.49	4.60	1199.77	2.52	21.23	-2.56	0.26	21.38	353.12
1300.00	1.39	4.30	1299.74	2.32	23.73	-2.36	0.10	23.85	354.31
1400.00	1 27	6.18	1399.71	2.10	26.05	-2.15	0.13	26.13	355.27
1500.00	1.18	0.41	1499.69	1.97	28.18	-2.03	0.15	28.25	355.88
1600.00	1.09	355.68	1599.67	2.03	30.15	-2.09	0.13	30.23	356.03
1700.00	1.05	349.59	1699.65	2.26	32.00	-2.33	0.12	32.09	355.84
1800.00	1.07	346.18	1799.63	2.65	33.81	-2.72	0.07	33.92	355.40
1900.00	1.10	348.80	1899.62	3.05	35.66	-3.13	0.06	35.80	354.99
2000.00	1.13	333.09	1999.60	3.68	37.48	-3.76	0.31	37.67	354.27
2100.00	1.19	332.07	2099.58	4.61	39.28	-4.69	0.06	39.56	353.19
2200.00	1.21	325.97	2199.56	5.68	41.07	-5.77	0.13	41.47	352.00
2300.00	1.52	324.39	2299.53	7.04	43.02	-7.13	0.31	43.61	350.59
2400.00	1.60	321.72	2399.49	8.68	45.20	-8.77	0.11	46.04	349.02
2500.00	1.61	321.37	2499.45	10.41	47.39	-10.51	0.01	48.54	347.49
2600.00	1 57	317.42	2599.41	12.21	49.50	-12.32	0.12	51.01	346.03
2700.00	1.77	319.99	2699.37	14.13	51.69	-14.24	0.21	53.61	344.60
2800.00	1.93	317.78	2799.32	16.25	54.12	-16.36	0.18	56.54	343.18
2900.00	1.83	320.48	2899.26	18.39	56.60	-18.51	0.13	59.55	341.89
3000.00	1.93	322.77	2999.21	20.42	59.17	-20.54	0.13	62.63	340.85
3100.00	1.81	320.89	3099.16	22.43	61.74	-22.56	0.13	65.73	339.93
3200.00	1.63	319.30	3199.11	24.35	64.04	-24.48	0.19	68.56	339.08
3300.00	1.50	321.88	3299.07	26.08	66.15	-26.22	0.15	71.15	338.38
3400.00	1.47	320.52	3399.04	27.70	68.17	-27.84	0.05	73.63	337.78
3500.00	1.61	324.06	3499.00	29.33	70.29	-29.48	0.17	76.23	337.25
3600.00	1 83	325.62	3598.96	31.05	72.75	-31.21	0.22	79.16	336 78
3700.00	1.97	326.10	3698.90	32.91	75.49	-33.07	0.14	82.42	336.35
3800.00	2.44	328.28	3798.83	34.98	78.73	-35.15	0.48	86.22	335.94
3900.00	2.34	329.55	3898.74	37.13	82.30	-37.30	0.11	90.36	335.62
4000.00	2.13	333.12	3998.67	38.99	85.72	-39.17	0.25	94.25	335.44
4100.00	1.60	327.89	4098.61	40.57	88.56	-40.76	0 56	97.49	335.29
4200.00	1.34	331.09	4198.58	41.87	90.77	-42.06	0.27	100.04	335.14
4300.00	1 41	325.40	4298.55	43.13	92.80	-43.33	0.15	102 42	334.97
4400.00	1.47	330.40	4398.52	44.46	94.93	-44.66	0.14	104.91	334.81
4500.00	1.96	330.58	4498.48	45.93	97.54	-46.13	0.49	107.90	334.69
4600.00	2 66	332.35	4598.39	47.84	101.08	-48.05	0 70	111.92	334.58
4700.00	3.44	331.28	4698.25	50.35	105.77	-50.57	0.78	117.23	334.45
4800.00	4.25	331.49	4798.03	53.54	111.65	-53.78	0.81	123.93	334.28

Scientific Drilling

Scientific Drilling International
Survey Report

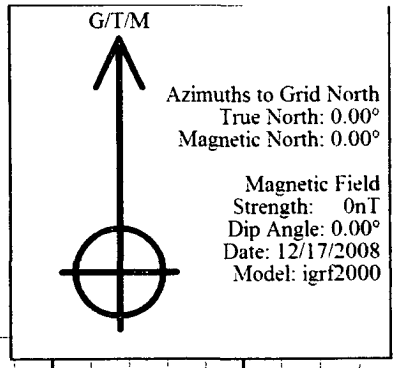
Company:	EOG	**Date:** 12/17/2008	**Time:** 13:23:18	**Page:**	2
Field:	Sand Tank Bone Springs	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	San Tank 9 Federal #2H	**Section (VS) Reference:**	Well (0.00N,0.00E,269.88Azi)		
Wellpath:	VH - Job #32K1108918	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

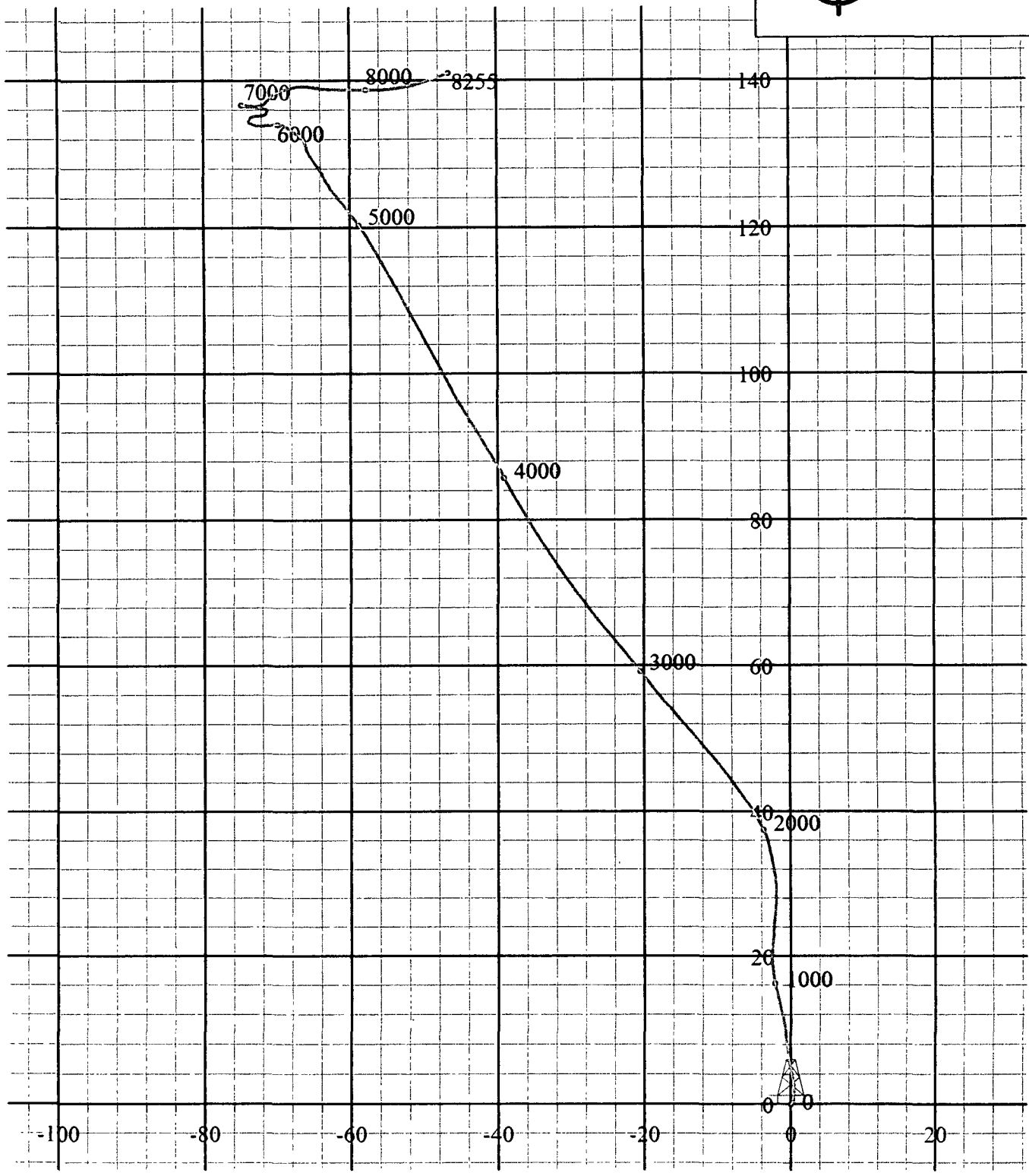
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	2.88	329.97	4897.83	56.56	117.09	-56.80	1.37	130.14	334.12
5000.00	1.44	325.28	4997.76	58.53	120.29	-58.78	1.45	133.89	333.96
5100.00	1.28	322.02	5097.73	59.92	122.21	-60.18	0.18	136.22	333.78
5200.00	0.92	318.40	5197.71	61.14	123.69	-61.40	0.37	138.09	333.60
5300.00	0.98	325.50	5297.70	62.16	124.99	-62.42	0.13	139.71	333.46
5400.00	1.35	330.49	5397.67	63.22	126.72	-63.48	0.38	141.73	333.39
5500.00	1.62	323.42	5497.64	64.64	128.88	-64.91	0.33	144.30	333.27
5600.00	0.90	347.71	5597 62	65.64	130.79	-65.92	0.88	146.46	333.25
5700.00	0.53	324.97	5697.61	66.07	131.93	-66.35	0.46	147.68	333.30
5800.00	0.65	303.31	5797.60	66.81	132.62	-67.09	0.25	148.62	333.17
5900.00	1.02	308.30	5897.59	67.98	133.48	-68.26	0.38	149.93	332.92
6000.00	0.96	269.41	5997.58	69.52	134.03	-69.80	0.66	151.11	332.49
6100.00	1.04	263.15	6097.56	71.25	133.91	-71.54	0.14	151.82	331.89
6200.00	0.76	285.46	6197.55	72.79	133.98	-73.08	0.44	152.61	331.39
6300.00	0.37	323.29	6297.55	73.63	134.42	-73.91	0.52	153.39	331.20
6400.00	0.58	56.77	6397.54	73.39	134.95	-73.68	0.71	153.75	331.37
6500.00	0.65	95.49	6497.54	72.41	135.17	-72.69	0.41	153.48	331.73
6600.00	0.87	62.19	6597 53	71.17	135.47	-71.45	0.48	153.16	332.19
6700.00	0.58	293.71	6697.53	70.96	136.03	-71.24	1.31	153.56	332.36
6800.00	1.03	281.39	6797.52	72.30	136.41	-72.59	0.48	154.52	331.98
6900.00	1.15	278.24	6897.50	74.18	136.73	-74.46	0.13	155.70	331.43
7000.00	0.71	107.12	6997.49	74.58	136.70	-74.86	1.85	155.85	331.29
7100.00	0.76	91.33	7097.49	73.32	136.50	-73.61	0.21	155.08	331.66
7200.00	0.51	84.63	7197.48	72.22	136.52	-72.50	0.26	154.58	332.03
7300.00	0.33	54.16	7297.48	71.54	136.73	-71.83	0.28	154.45	332.29
7400.00	0.40	45.85	7397.47	71.06	137.15	-71.34	0.09	154.59	332.52
7500.00	0.49	38.71	7497.47	70.54	137.72	-70.83	0.11	154.87	332.79
7600.00	1.08	64.64	7597.46	69.42	138.46	-69.71	0.67	155.02	333.28
7700.00	1.48	78.94	7697.44	67.30	139.11	-67.59	0.51	154.66	334.09
7800.00	1.68	100.98	7797.40	64.59	139.08	-64.88	0.64	153.47	334.99
7900.00	1.97	91.03	7897.35	61.43	138.77	-61.72	0.43	151 88	336.02
8000.00	2.37	90.93	7997.28	57.65	138.71	-57.94	0.40	150.32	337.33
8100.00	2.64	82.02	8097.18	53.30	138.99	-53.59	0.47	148 96	338.92
8200.00	2.64	70.15	8197.08	48 85	140.09	-49.14	0.55	148.46	340.67
8258.00	2.70	70.71	8255.01	46.30	141.00	-46.60	0.11	148.50	341.71

Scientific Drilling

Field: Sand Tank Bone Springs
Site: Eddy County, NM
Well: San Tank 9 Federal #2H
Wellpath: VH - Job #32K1108918
Survey: 11/15/08





South(-)/North(+) [20ft/in]

West(-)/East(+) [20ft/in]

MD (ft)	Inc (deg)	Azi (deg)	TVD (ft)	N/S (ft)	E/W (ft)	V.Sec (ft)	Dogleg (?/100ft)
7600	1.08	64.64	7597.46	138.46	-69.71	69.42	0
7627	1 76	275.36	7624.46	138.61	-69.89	69.61	10.16
7658	5.63	271 32	7655.39	138.69	-71.88	71.6	12 5
7689	9.15	269.65	7686.13	138.71	-75.87	75.59	11.37
7720	12.93	268.59	7716.55	138.61	-81.8	81.52	12.21
7751	16.71	267.45	7746.51	138.32	-89.73	89.45	12.23
7781	20.66	266.92	7774.92	137.85	-99.32	99.04	13.18
7810	24.71	265.87	7801.67	137.14	-110.48	110.2	14.03
7843	27.96	266.13	7831.25	136.12	-125.08	124.81	9.85
7874	29 9	266.57	7858.38	135.16	-140.05	139.77	6.3
7905	31.04	266.57	7885.09	134.22	-155.74	155.47	3.68
7936	34.29	268.24	7911.19	133.48	-172.45	172.18	10.88
7967	38.25	269 47	7936.18	133.12	-190.78	190.51	12.99
7998	41 86	270.35	7959.9	133.09	-210.73	210.46	11.79
8028	44 93	270.35	7981.7	133.22	-231.34	231.07	10.23
8059	48.28	269 39	8002.99	133.16	-253.86	253.59	11.04
8090	52.06	269.12	8022.85	132.85	-277.66	277.39	12.21
8121	56.28	268.33	8040.99	132.29	-302.78	302.51	13.77
8152	61.2	267.1	8057.07	131.22	-329.25	328.98	16.23
8183	66.57	266.66	8070.71	129.71	-357.03	356.77	17.37
8214	71.23	266.57	8081.87	128	-385.9	385.63	15.03
8245	73.78	266.31	8091.19	126.16	-415.4	415.15	8.26
8276	75.71	266.22	8099.34	124.22	-445.24	444.99	6.23
8307	78.7	266.57	8106.21	122.32	-475.41	475.16	9.71
8338	82.57	266.84	8111.25	120.56	-505.94	505.7	12.51
8369	86.53	266.4	8114.19	118.74	-536.74	536.5	12.85
8400	90.57	266.91	8114.98	116.93	-567.67	567.43	13.14
8431	91.45	266.57	8114.43	115.17	-598.62	598.38	3.04
8461	91.45	266.75	8113.67	113.42	-628.56	628.33	0.6
8493	91.28	266.74	8112.91	111.61	-660.5	660.27	0.53
8524	90.84	266.93	8112.34	109.89	-691.44	691.22	1.55
8555	90.31	266.95	8112.03	108.24	-722.4	722.18	1.71
8586	90.4	267.25	8111.83	106.67	-753.36	753.14	1.01
8617	90.75	267.14	8111.52	105.15	-784.32	784.1	1.18
8648	91.01	267.13	8111.05	103.6	-815.28	815.06	0.84
8678	91.19	266.98	8110.47	102.06	-845.23	845.02	0.78
8709	89.87	267.49	8110.18	100.57	-876.19	875.99	4.56
8740	89 96	267.38	8110.23	99.18	-907.16	906.96	0.46
8771	90.4	267.54	8110.13	97.81	-938.13	937.93	1.51
8802	90.84	267.35	8109.8	96.43	-969.1	968.9	1.55
8833	91.19	267.44	8109.25	95.02	-1000.06	999.87	1.17
8864	90.66	267.85	8108.75	93.74	-1031.03	1030.84	2.16
8895	90.92	267.72	8108 32	92.54	-1062	1061.81	0.94
8926	91.8	267 67	8107.58	91.3	-1092.97	1092.78	2.84
8957	90.66	267.44	8106.92	89.98	-1123.93	1123.75	3.75
8988	89.16	267.69	8106.97	88.66	-1154.91	1154.72	4.91
9019	88.11	267.94	8107.71	87.48	-1185.87	1185.69	3.48
9050	87.93	268.07	8108.78	86.4	-1216.84	1216.66	0.72
9081	87.93	267.89	8109.9	85.31	-1247.8	1247.62	0.58
9112	87.23	267.63	8111.21	84.1	-1278.75	1278.57	2.41
9143	87 58	267.74	8112.61	82.85	-1309.69	1309.52	1.18
9174	88.37	268.2	8113 7	81.75	-1340.65	1340.48	2.95
9204	88.2	267.93	8114.6	80.74	-1370.62	1370.45	1.06
9235	88.11	267.9	8115.6	79.61	-1401.58	1401.42	0.31
9266	87.14	267 86	8116.89	78.46	-1432.53	1432.37	3.13
9297	87.58	267.87	8118.31	77.31	-1463.48	1463.32	1.42
9328	88.02	267.88	8119 5	76.16	-1494.44	1494.28	1.42
9359	88.29	267.85	8120.5	75.01	-1525.4	1525.24	0.88
9390	88.2	267.52	8121.45	73.75	-1556.36	1556.21	1.1
9421	87.76	267 45	8122.54	72.4	-1587.31	1587.16	1.44
9452	87.41	267.26	8123.85	70.97	-1618.25	1618.1	1.28
9483	86.79	267.07	8125.42	69.43	-1649.17	1649.03	2.09
9514	86.61	266.83	8127.2	67.79	-1680.08	1679.93	0.97
9545	86.53	266.77	8129.06	66.06	-1710.97	1710.83	0.32
9576	87.14	267.03	8130.77	64.39	-1741.88	1741.74	2.14
9607	86.88	266.87	8132.39	62.74	-1772.79	1772.66	0.98

9638	86 7	266.69	8134.12	61	-1803.7	1803.57	0.82
9669	87.23	266.82	8135.76	59.25	-1834.6	1834.48	1.76
9700	87.14	266.77	8137 29	57.52	-1865.52	1865.4	0.33
9731	87 93	266.5	8138.62	55.7	-1896.43	1896.32	2.69
9761	88.02	266.6	8139.68	53.9	-1926.36	1926.25	0.45
9792	88.9	266.51	8140.51	52.03	-1957.29	1957.18	2.85
9823	88.72	266.65	8141.16	50.18	-1988.23	1988.13	0.74
9854	88.46	266.38	8141.92	48.3	-2019.16	2019.06	1.21
9885	88.72	266.46	8142.68	46.37	-2050.09	2050	0.88
9916	89.78	266.63	8143.09	44.5	-2081.04	2080.94	3.46
9947	90.22	267.01	8143.09	42.78	-2111.99	2111.9	1.88
9978	91.36	267.09	8142.66	41.18	-2142.94	2142.85	3.69
10010	90.92	267.05	8142.02	39.55	-2174.89	2174.81	1.38
10042	90 84	266.76	8141.53	37.82	-2206.84	2206.76	0.94
10074	90.84	266.65	8141.06	35.98	-2238.79	2238.71	0.34
10106	90.84	266.62	8140.59	34.1	-2270.73	2270.66	0.09
10138	90.84	266.41	8140.12	32.16	-2302.67	2302.6	0.66
10202	91.1	266.53	8139.04	28.22	-2366.54	2366.47	0.45
10233	91.19	266.39	8138.42	26.3	-2397.47	2397.41	0.54
10265	91.28	266.37	8137.73	24.28	-2429.4	2429.34	0.29
10329	91.63	266.43	8136.11	20.27	-2493.25	2493.21	0.55
10393	91.63	266.67	8134.29	16.42	-2557.11	2557.07	0.37
10457	92.86	267.95	8131.78	13.42	-2620.99	2620.96	2.77
10521	93.3	267.45	8128.34	10.85	-2684.84	2684.82	1.04
10585	92.77	267.67	8124.95	8.13	-2748.7	2748.67	0.9
10649	92.77	267.51	8121.86	5.44	-2812.56	2812.55	0.25
10713	93.65	267.2	8118.27	2.49	-2876.4	2876.38	1.46
10777	93.83	266.8	8114.1	-0.85	-2940.17	2940.17	0.68
10842	93.56	266.56	8109.91	-4.61	-3004.93	3004.93	0.56
10906	91.45	266.34	8107.11	-8.56	-3068.74	3068.75	3.31
10970	91.19	267.1	8105.64	-12.23	-3132.62	3132.64	1.25
11034	90.66	266.93	8104.61	-15.56	-3196.52	3196.55	0.87
11065	90.75	266.65	8104.23	-17.29	-3227.47	3227.5	0.95
11140	90.75	266.65	8103.24	-21.68	-3302.34	3302.37	0