

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM100557 (SHL) NM01159 (BHL)
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr, Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator EOG Resources Inc.		7. Unit or CA Agreement Name and No.
3. Address P.O. Box 2267 Midland, Texas 79702		8. Lease Name and Well No. Sand Tank 9 Fed Com 1H
3a. Phone No (include area code) 432-686-3689		9. API Well No. 30-015-36270
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 500 FNL & 549 FWL, U/L D At top prod. interval reported below At total depth 789 FNL & 817 FEL, U/L A		10. Field and Pool, or Exploratory Sand Tank; Bone Spring
14. Date Spudded 7/4/08		11. Sec., T., R., M., or Block and Survey or Area Sec 9, T18S, R30E
15. Date T.D. Reached 8/11/08		12. County or Parish Eddy
16. Date Completed ☐ D & A ☒ Ready to Prod. 10/3/08		13. State NM
17. Elevations (DF, RKB, RT, GL)* 3534' GL		
18. Total Depth: MD 11760 TVD 8060		20. Depth Bridge Plug Set: MD TVD
19. Plug Back T.D.: MD TVD		

DEC - 4 2008

OCD-ARTESIA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)
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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	Shurry Vol. (BBL)	Cement Top*	Amount Pulled
14-3/4	11-3/4	42		380		630 C		surface	
11	8-5/8	32		3445		810 C		surface	
7-7/8	5-1/2	17		11750		1500 50/50 C		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	7410							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) 2nd Bone Spring	7660		8350 - 11650	0.42"	132	Producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8350 - 11650	Frac w/ bbls DI HCL acid, 192 bbls 15% Acetic acid, 287 bbls 25 # Linear gel, 435591 lbs 16/30 sand, 100000 lbs 16/30 Super LC sand, 8815 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
10/3/08	10/18/08	24	→	142	244	35	40.0		Pumping
Choke Size	Tbg. Press Flwg SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
36/64	300	50	→				1718	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	
			→						

WESLEY W. INGRAM
PETROLEUM ENGINEER

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
BUTLER MGMT WELL 10731 AM 7:46				Rustler	300
				Yates	1280
				Seven Rivers	1610
				Queen	2300
				Grayburg	2450
				San Andres	3320
				1st Bone Spring Carbonate	4390
				1st Bone Spring Sand	6860
				2nd Bone Spring Carbonate	7200
				2nd Bone Spring Sand	7660

32. Additional remarks (include plugging procedure):

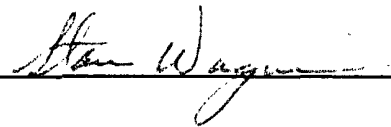
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

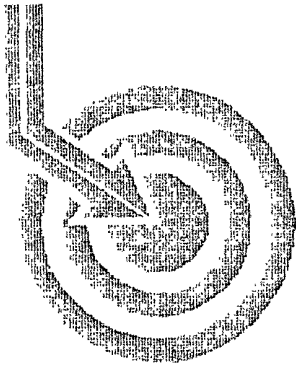
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Stan WagnerTitle Regulatory Analyst

Signature


Date 10/23/08

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.



Scientific Drilling

EOG

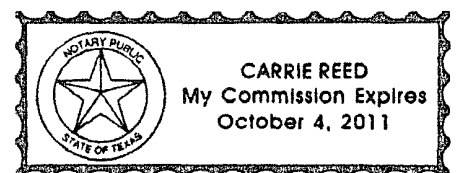
Field: Sand Tank
Site: Eddy County, NM
Well: Sand Tank 9 Federal Com #1H
Wellpath: VH - Job #32K0708571
Survey: 07/22/08

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

.....*Robert*.....Company Representative

Notorized this date 21st of August, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: EOG	Date: 08/20/2008	Time: 16:19:40	Page: 1
Field: Sand Tank	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Sand Tank 9 Federal Com #1H	Section (VS) Reference:	Well (0.00N,0.00E,94.95Azi)	
Wellpath: VH - Job #32K0708571	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 07/22/08	Start Date: 07/22/2008
KSRG 0'-8100'	
Company: Scientific Drilling Internatio	Engineer: Pena w/P&M
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	359.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.04	301.86	99.99	-0.81	0.48	-0.77	1.04	0.91	301.86
200.00	1.29	292.70	199.97	-2.69	1.39	-2.58	0.31	2.93	298.36
300.00	1.09	287.26	299.95	-4.69	2.11	-4.53	0.23	4.99	294.98
400.00	1.35	167.33	399.94	-5.26	1.24	-5.18	2.12	5.32	283.49
500.00	1.21	186.31	499.92	-4.93	-0.96	-5.03	0.44	5.12	259.24
600.00	1.15	169.60	599.90	-4.69	-2.99	-4.97	0.35	5.80	238.94
700.00	1.02	92.34	699.88	-3.54	-4.02	-3.90	1.36	5.60	224.15
800.00	0.70	50.00	799.87	-2.22	-3.66	-2.54	0.69	4.46	214.77
900.00	0.46	12.92	899.87	-1.73	-2.88	-1.98	0.43	3.49	214.59
1000.00	0.60	43.68	999.86	-1.35	-2.11	-1.53	0.31	2.61	216.04
1100.00	0.48	40.86	1099.86	-0.77	-1.41	-0.90	0.12	1.67	212.44
1200.00	0.51	36.91	1199.85	-0.29	-0.74	-0.36	0.05	0.82	205.71
1300.00	0.86	55.61	1299.85	0.53	0.04	0.53	0.41	0.53	85.56
1400.00	0.69	39.96	1399.84	1.45	0.93	1.54	0.27	1.79	58.91
1500.00	0.33	20.73	1499.83	1.88	1.66	2.03	0.39	2.62	50.71
1600.00	0.29	27.17	1599.83	2.05	2.15	2.24	0.05	3.11	46.19
1700.00	0.26	15.50	1699.83	2.19	2.60	2.42	0.06	3.55	42.98
1800.00	0.30	357.32	1799.83	2.19	3.08	2.47	0.10	3.94	38.74
1900.00	0.18	359.87	1899.83	2.14	3.49	2.46	0.12	4.27	35.09
2000.00	0.22	19.56	1999.83	2.18	3.83	2.52	0.08	4.59	33.32
2100.00	0.41	10.31	2099.83	2.26	4.37	2.65	0.20	5.11	31.23
2200.00	0.53	352.15	2199.82	2.19	5.18	2.65	0.19	5.81	27.10
2300.00	0.54	350.54	2299.82	1.97	6.10	2.51	0.02	6.59	22.35
2400.00	0.56	0.80	2399.81	1.82	7.05	2.44	0.10	7.46	19.06
2500.00	0.59	347.91	2499.81	1.63	8.04	2.34	0.13	8.38	16.19
2600.00	0.73	344.07	2599.80	1.26	9.16	2.05	0.15	9.39	12.63
2700.00	0.81	338.64	2699.79	0.71	10.43	1.62	0.11	10.56	8.83
2800.00	0.92	340.74	2799.78	0.07	11.85	1.10	0.11	11.90	5.30
2900.00	0.74	344.59	2899.77	-0.48	13.23	0.66	0.19	13.24	2.87
3000.00	0.77	336.97	2999.76	-1.02	14.47	0.23	0.10	14.47	0.90
3100.00	0.60	345.16	3099.76	-1.51	15.59	-0.17	0.20	15.59	359.38
3200.00	0.45	347.12	3199.75	-1.81	16.48	-0.39	0.15	16.49	358.64
3300.00	0.56	347.73	3299.75	-2.08	17.34	-0.58	0.11	17.35	358.08
3400.00	0.24	358.08	3399.75	-2.25	18.03	-0.69	0.33	18.04	357.80
3500.00	0.22	4.35	3499.75	-2.27	18.43	-0.69	0.03	18.44	357.87
3600.00	0.14	21.86	3599.74	-2.24	18.73	-0.63	0.10	18.75	358.09
3700.00	0.25	8.42	3699.74	-2.19	19.06	-0.55	0.12	19.07	358.35
3800.00	0.23	346.91	3799.74	-2.24	19.48	-0.56	0.09	19.48	358.35
3900.00	0.11	18.83	3899.74	-2.28	19.76	-0.58	0.15	19.77	358.33
4000.00	0.13	359.74	3999.74	-2.27	19.97	-0.55	0.04	19.97	358.44
4100.00	0.15	18.85	4099.74	-2.25	20.20	-0.50	0.05	20.21	358.57
4200.00	0.13	19.08	4199.74	-2.19	20.43	-0.42	0.02	20.44	358.81
4300.00	0.18	26.41	4299.74	-2.10	20.68	-0.32	0.05	20.68	359.12
4400.00	0.26	13.97	4399.74	-2.01	21.04	-0.19	0.09	21.04	359.48
4500.00	0.11	18.12	4499.74	-1.95	21.35	-0.11	0.15	21.35	359.71
4600.00	0.27	15.29	4599.74	-1.89	21.67	-0.02	0.16	21.67	359.96
4700.00	0.32	357.08	4699.74	-1.88	22.18	0.03	0.11	22.18	0.08
4800.00	0.43	6.87	4799.74	-1.91	22.83	0.06	0.13	22.83	0.16



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: EOG	Date: 08/20/2008	Time: 16:19:40	Page: 2
Field: Sand Tank	Co-ordinate(N/E) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Sand Tank 9 Federal Com #1H	Section (VS) Reference:	Well (0.00N,0.00E,94.95Azi)	
Wellpath: VH - Job #32K0708571	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	0.51	10.24	4899.73	-1.85	23.64	0.19	0.08	23.64	0.45
5000.00	0.68	23.75	4999.73	-1.62	24.62	0.50	0.22	24.63	1.17
5100.00	0.71	353.87	5099.72	-1.55	25.78	0.68	0.36	25.79	1.51
5200.00	1.72	2.26	5199.70	-1.74	27.90	0.67	1.02	27.91	1.38
5300.00	0.85	354.29	5299.67	-1.95	30.13	0.66	0.89	30.14	1.25
5400.00	0.84	356.70	5399.66	-2.19	31.60	0.54	0.04	31.61	0.98
5500.00	0.95	6.17	5499.65	-2.28	33.16	0.59	0.18	33.17	1.01
5600.00	1.28	11.83	5599.63	-2.13	35.08	0.90	0.35	35.09	1.48
5700.00	1.31	13.66	5699.60	-1.82	37.28	1.40	0.05	37.31	2.16
5800.00	1.09	19.35	5799.58	-1.41	39.29	1.99	0.25	39.34	2.90
5900.00	0.99	27.51	5899.56	-0.84	40.95	2.70	0.18	41.04	3.78
6000.00	1.12	32.07	5999.55	-0.06	42.55	3.62	0.15	42.70	4.86
6100.00	1.21	41.28	6099.53	1.01	44.17	4.84	0.21	44.43	6.25
6200.00	1.15	23.01	6199.51	1.94	45.89	5.93	0.38	46.27	7.36
6300.00	1.42	40.93	6299.48	2.98	47.75	7.13	0.48	48.28	8.49
6400.00	1.68	38.61	6399.44	4.52	49.83	8.86	0.27	50.61	10.08
6500.00	1.68	31.65	6499.40	5.99	52.22	10.54	0.20	53.27	11.41
6600.00	1.66	21.27	6599.36	7.06	54.82	11.83	0.30	56.08	12.18
6700.00	1.60	359.26	6699.32	7.33	57.56	12.34	0.63	58.87	12.10
6800.00	1.63	357.60	6799.28	7.01	60.38	12.26	0.06	61.61	11.48
6900.00	1.56	352.67	6899.24	6.54	63.15	12.03	0.15	64.29	10.79
7000.00	1.54	347.38	6999.21	5.84	65.81	11.56	0.14	66.82	9.97
7100.00	1.50	345.12	7099.17	4.99	68.39	10.93	0.07	69.26	9.08
7200.00	1.99	336.72	7199.12	3.73	71.25	9.91	0.55	71.94	7.92
7300.00	2.00	341.23	7299.06	2.20	74.50	8.66	0.16	75.00	6.63
7400.00	2.34	332.29	7398.99	0.40	77.96	7.15	0.48	78.28	5.24
7500.00	2.35	324.85	7498.91	-2.02	81.44	5.02	0.30	81.60	3.53
7600.00	3.79	314.13	7598.76	-5.91	85.42	1.47	1.54	85.43	0.99
7700.00	2.59	320.62	7698.61	-10.05	89.47	-2.34	1.25	89.50	358.50
7800.00	2.41	315.83	7798.51	-13.21	92.72	-5.23	0.28	92.87	356.77
7900.00	1.79	324.34	7898.44	-15.82	95.50	-7.61	0.69	95.80	355.44
8000.00	1.71	312.90	7998.40	-18.01	97.78	-9.61	0.36	98.25	354.39
8100.00	1.71	302.37	8098.35	-20.51	99.60	-11.97	0.31	100.31	353.15



**Scientific
Drilling**

Field: Sand Tank

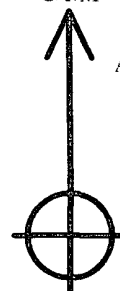
Site: Eddy County, NM

Well: Sand Tank 9 Federal Com #1H

Wellpath: VH - Job #32K0708571

Survey: 07/22/08

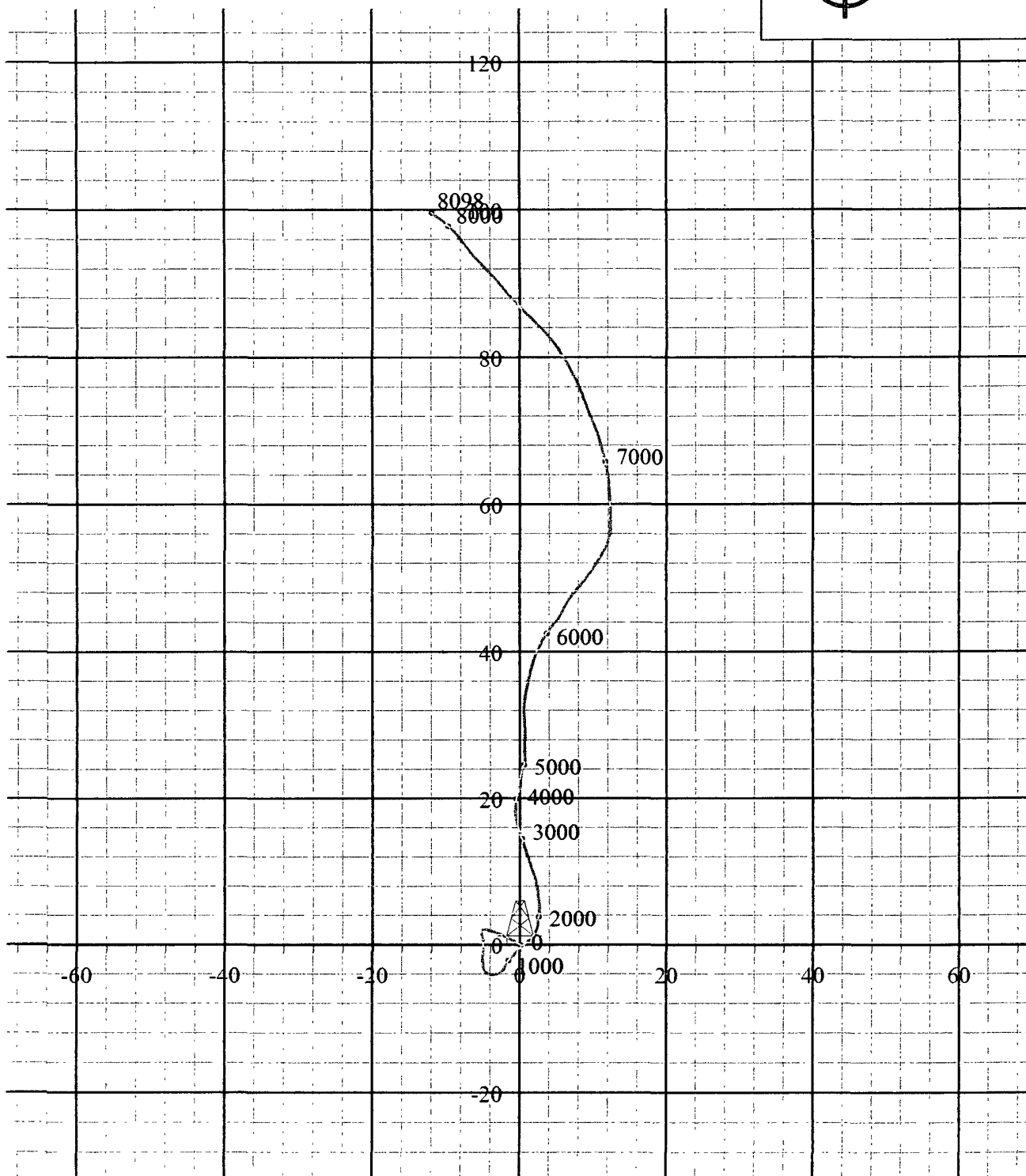
G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 08/20/2008
Model: igrf2000

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



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

Sand Tank 9 Fed Com #1H Final Surveys.txt

~Version Information

VERS. 2.00: PATHFINDER ENERGY SERVICES LAS - Version 2.00
 WRAP. NO: One line per depth step

~Well Information

STRT.FT 7460.0005:
 STOP.FT 11800.0000:
 STEP.FT 0.0000:
 NULL. -999.25:
 "COMP. EOG RESOURCES, INC.: COMPANY"
 WELL. SAND TANK 9 FED COM #1H: WELL
 FLD. SAND TANK; BONE SPRING: FLD
 SRVC. Pathfinder Energy Services: SERVICE COMPANY
 LOC. : LOCATION
 DATE. 11-Aug-08: LOG DATE
 UWI. 30-015-36270: API NUMBER
 APD.FT 19.66: ELEVATION ABOVE PERMANENT DATUM
 CNTY. EDDY: COUNTY
 CTRY. U.S.A.: COUNTRY
 DMF. KELLY BUSHINGS: DRILLING-LOG MEASURED FROM
 EPD.FT 3534.00: ELEVATION OF PERMANENT DATUM
 FL1. FNL; 500' FWL; 549': WELL LOCATION 1
 FL2. X; 607607.1 Y; 643187.4: WELL LOCATION 2
 PDAM. GROUND LEVEL - MEAN SEA LEVEL: ELEVATION OF PERMANENT DATUM REF
 PDAT. GROUND LEVEL: PERMANENT DATUM
 RANG. 30E: RANGE
 SECT. 009: SECTION
 STAT. NM: STATE
 TOWN. 18S: TOWNSHIP

~Parameter Information

BHB1.IN 14 3/4: BOREHOLE REC; BIT 1
 BHF1.FT 0: BOREHOLE REC; FROM 1
 BHO1.FT 380: BOREHOLE REC; TO 1
 BHB2.IN 11: BOREHOLE REC; BIT 2
 BHF2.FT 380: BOREHOLE REC; FROM 2
 BHO2.FT 3445: BOREHOLE REC; TO 2
 BHB3.IN 7 7/8: BOREHOLE REC; BIT 3
 BHF3.FT 3445: BOREHOLE REC; FROM 3
 BHO3.FT 11760: BOREHOLE REC; TO 3
 CTS1.IN 11 3/4: CASING & TUBING REC; SIZE 1
 CTF1.FT 0: CASING & TUBING REC; FROM 1
 CTO1.FT 380: CASING & TUBING REC; TO 1
 CTS2.IN 8 5/8: CASING & TUBING REC; SIZE 2
 CTF2.FT 380: CASING & TUBING REC; FROM 2
 CTO2.FT 3445: CASING & TUBING REC; TO 2
 DCOM. MCVAY: DRILLING COMPANY
 RIG. 8: DRILLING RIG
 LUN. TRAILER: LOGGING UNIT NUMBER
 DIST. WEST TEXAS: DISTRICT

Sand Tank 9 Fed Com #1H Final Surveys.txt

SPUD. 04-JUL-08: SPUD DATE
 STDT. 23-JUL-08: START DATE
 SDEP.FT 7581: DEPTH IN
 ENDT. 11-AUG-08: LWD END DATE
 EDEP.FT 11760: DEPTH OUT
 TDEP.FT 11760: TOTAL DEPTH
 "R001. EOG RESOURCES, INC. API#; 30-15-36270.: Remarks - Line 001 "
 R002. PATHFINDER ENERGY TRACKING #; 101007646 WT - WT.: Remarks - Line 002
 R004. ALL REFERENCES IN DEPTH TRACK ARE AT BIT DEPTH.: Remarks - Line 004
 R005. ALL LOGGING DATA IS TRANSMITTED ONLY UNLESS STATED OTHERWISE.: Remarks - Line 005
 "R008. RUNS #1-7; 6 1/4" HDS1-R GAMMA-RAY LOGGING RUN.: Remarks - Line 008 "
 RA01. 1: RUN NUMBER 01
 RB01. 25-JUL-08: START DATE - RUN 01
 RC01. 12:30: START TIME - RUN 01
 RD01. 27-JUL-08: END DATE - RUN 01
 RE01. 23:30: END TIME - RUN 01
 RF01.FT 7581: DEPTH IN - RUN 01
 RG01.FT 7740: DEPTH OUT - RUN 01
 RH01.FT 7470: LOG TOP - RUN 01
 RI01.FT 7689: LOG BOTTOM - RUN 01
 RJ01.IN 7 7/8: HOLE SIZE - RUN 01
 RU01. C.HARPER: ENGINEER #1 - RUN 01
 RV01. K.TABOR: ENGINEER #2 - RUN 01
 MB01.FT 7100: MUD DEPTH - RUN 01
 MD01. WATER BASED: MUD TYPE - RUN 01
 ME01.LB/GAL 9.20: DENSITY - RUN 01
 MF01.S/QT 34: VISCOSITY - RUN 01
 MG01. 11.0: PH - RUN 01
 MM01.CM3/30 14.0: FLUID LOSS - RUN 01
 MH01.PPM 70000: SALINITY - RUN 01
 MK01.DEGF 112: MAX REC TEMP - RUN 01
 RA02. 2: RUN NUMBER 02
 RB02. 28-JUL-08: START DATE - RUN 02
 RC02. 00:30: START TIME - RUN 02
 RD02. 29-JUL-08: END DATE - RUN 02
 RE02. 08:00: END TIME - RUN 02
 RF02.FT 7740: DEPTH IN - RUN 02
 RG02.FT 7963: DEPTH OUT - RUN 02
 RH02.FT 7689: LOG TOP - RUN 02
 RI02.FT 7912: LOG BOTTOM - RUN 02
 RJ02.IN 7 7/8: HOLE SIZE - RUN 02
 RU02. C.HARPER: ENGINEER #1 - RUN 02
 RV02. K.TABOR: ENGINEER #2 - RUN 02
 MB02.FT 7741: MUD DEPTH - RUN 02
 MD02. WATER BASED: MUD TYPE - RUN 02
 ME02.LB/GAL 9.20: DENSITY - RUN 02
 MF02.S/QT 33: VISCOSITY - RUN 02
 MG02. 10.5: PH - RUN 02

Sand Tank 9 Fed Com #1H Final Surveys.txt

MM02.CM3/30	9.0: FLUID LOSS - RUN 02
MH02.PPM	67000: SALINITY - RUN 02
MK02.DEGF	116: MAX REC TEMP - RUN 02
RA03.	3: RUN NUMBER 03
RB03.	29-JUL-08: START DATE - RUN 03
RC03.	09:30: START TIME - RUN 03
RD03.	30-JUL-08: END DATE - RUN 03
RE03.	15:00: END TIME - RUN 03
RF03.FT	7963: DEPTH IN - RUN 03
RG03.FT	8153: DEPTH OUT - RUN 03
RH03.FT	7912: LOG TOP - RUN 03
RI03.FT	8102: LOG BOTTOM - RUN 03
RJ03.IN	7 7/8: HOLE SIZE - RUN 03
RU03.	C.HARPER: ENGINEER #1 - RUN 03
RV03.	K.TABOR: ENGINEER #2 - RUN 03
MB03.FT	8000: MUD DEPTH - RUN 03
MD03.	WATER BASED: MUD TYPE - RUN 03
ME03.LB/GAL	9.30: DENSITY - RUN 03
MF03.S/QT	34: VISCOSITY - RUN 03
MG03.	11.0: PH - RUN 03
MM03.CM3/30	10.0: FLUID LOSS - RUN 03
MH03.PPM	70000: SALINITY - RUN 03
MK03.DEGF	115: MAX REC TEMP - RUN 03
RA04.	4: RUN NUMBER 04
RB04.	30-JUL-08: START DATE - RUN 04
RC04.	16:00: START TIME - RUN 04
RD04.	01-AUG-08: END DATE - RUN 04
RE04.	11:00: END TIME - RUN 04
RF04.FT	8153: DEPTH IN - RUN 04
RG04.FT	9309: DEPTH OUT - RUN 04
RH04.FT	8102: LOG TOP - RUN 04
RI04.FT	9252: LOG BOTTOM - RUN 04
RJ04.IN	7 7/8: HOLE SIZE - RUN 04
RU04.	C.HARPER: ENGINEER #1 - RUN 04
RV04.	K.TABOR: ENGINEER #2 - RUN 04
MB04.FT	8385: MUD DEPTH - RUN 04
MD04.	WATER BASED: MUD TYPE - RUN 04
ME04.LB/GAL	9.00: DENSITY - RUN 04
MF04.S/QT	33: VISCOSITY - RUN 04
MG04.	10.5: PH - RUN 04
MM04.CM3/30	11.0: FLUID LOSS - RUN 04
MH04.PPM	71000: SALINITY - RUN 04
MK04.DEGF	126: MAX REC TEMP - RUN 04
RA05.	5: RUN NUMBER 05
RB05.	01-AUG-08: START DATE - RUN 05
RC05.	12:00: START TIME - RUN 05
RD05.	06-AUG-08: END DATE - RUN 05
RE05.	02:00: END TIME - RUN 05

Sand Tank 9 Fed Com #1H Final Surveys.txt

RF05.FT	9309: DEPTH IN - RUN 05
RG05.FT	10528: DEPTH OUT - RUN 05
RH05.FT	9252: LOG TOP - RUN 05
RI05.FT	10471: LOG BOTTOM - RUN 05
RJ05.IN	7 7/8: HOLE SIZE - RUN 05
RU05.	M.SCHMIDT: ENGINEER #1 - RUN 05
RV05.	K.TABOR: ENGINEER #2 - RUN 05
MB05.FT	10175: MUD DEPTH - RUN 05
MD05.	WATER BASED: MUD TYPE - RUN 05
ME05.LB/GAL	9.40: DENSITY - RUN 05
MF05.S/QT	34: VISCOSITY - RUN 05
MG05.	10.0: PH - RUN 05
MM05.CM3/30	9.0: FLUID LOSS - RUN 05
MH05.PPM	80000: SALINITY - RUN 05
MK05.DEGF	126: MAX REC TEMP - RUN 05
RA06.	6: RUN NUMBER 06
RB06.	06-AUG-08: START DATE - RUN 06
RC06.	03;00: START TIME - RUN 06
RD06.	09-AUG-08: END DATE - RUN 06
RE06.	02;00: END TIME - RUN 06
RF06.FT	10528: DEPTH IN - RUN 06
RG06.FT	11192: DEPTH OUT - RUN 06
RH06.FT	10471: LOG TOP - RUN 06
RI06.FT	11135: LOG BOTTOM - RUN 06
RJ06.IN	7 7/8: HOLE SIZE - RUN 06
RU06.	M.SCHMIDT: ENGINEER #1 - RUN 06
RV06.	K.TABOR: ENGINEER #2 - RUN 06
MB06.FT	10763: MUD DEPTH - RUN 06
MD06.	WATER BASED: MUD TYPE - RUN 06
ME06.LB/GAL	9.20: DENSITY - RUN 06
MF06.S/QT	33: VISCOSITY - RUN 06
MG06.	10.0: PH - RUN 06
MM06.CM3/30	13.0: FLUID LOSS - RUN 06
RA07.	7: RUN NUMBER 07
RB07.	09-AUG-08: START DATE - RUN 07
RC07.	03;00: START TIME - RUN 07
RD07.	11-AUG-08: END DATE - RUN 07
RE07.	09;00: END TIME - RUN 07
RF07.FT	11192: DEPTH IN - RUN 07
RG07.FT	11760: DEPTH OUT - RUN 07
RH07.FT	11135: LOG TOP - RUN 07
RI07.FT	11760: LOG BOTTOM - RUN 07
RJ07.IN	7 7/8: HOLE SIZE - RUN 07
RU07.	M.SCHMIDT: ENGINEER #1 - RUN 07
RV07.	K.TABOR: ENGINEER #2 - RUN 07
MB07.FT	11456: MUD DEPTH - RUN 07
MD07.	WATER BASED: MUD TYPE - RUN 07
ME07.LB/GAL	9.20: DENSITY - RUN 07

Sand Tank 9 Fed Com #1H Final Surveys.txt

MF07.S/QT 33: VISCOSITY - RUN 07
 MG07. 10.0: PH - RUN 07
 MM07.CM3/30 13.0: FLUID LOSS - RUN 07
 MK07.DEGF 140: MAX REC TEMP - RUN 07
 TTL1. GAMMA-RAY: HEADER TITLE LINE 1
 TTL2. : HEADER TITLE LINE 2
 TTL3. : HEADER TITLE LINE 3
 "SC1 . 1"" = 100' : LOG SCALE 1"
 SC2 . : LOG SCALE 2
 OS1 . DIRECTIONAL: OTHER SERVICES LINE 1
 OS2 . ROP: OTHER SERVICES LINE 2

~Curve Information

DEPT.FT : MWD Tool Measurement Depth
 MTTVD.FT : MWD Tool Measurement TVD
 INC .DEG : Inclination
 AZI .DEG : Azimuth
 SECT.FT : Section
 RCN .FT : Rectangular Co-ordinates North
 RCE .FT : Rectangular Co-ordinates East
 DLSEV.DG/HFT : Dog-leg Severity

#	DEPT FT	MTTVD FT	INC DEG	AZI DEG	SECT FT	RCN FT	RCE FT	DLSEV DG/HFT
#								
#								
#	Relog Number	0	0	0	0	0	0	0
#								

~ASCII Data

7500.00	7498.90	2.35	324.85	-2.03	81.44	5.02	-999.25
7544.00	7542.87	2.20	12.46	-2.50	83.00	4.68	4.18
7576.00	7574.81	4.84	45.31	-1.54	84.55	5.78	10.06
7608.00	7606.58	8.62	59.95	1.30	86.70	8.81	12.88
7639.00	7637.07	12.13	64.73	6.02	89.26	13.77	11.65
7671.00	7668.13	15.65	66.53	12.72	92.41	20.77	11.08
7701.00	7696.73	19.43	65.98	20.65	96.06	29.04	12.61
7733.00	7726.58	22.77	65.42	30.69	100.80	39.54	10.46
7765.00	7755.69	26.29	68.70	42.44	105.95	51.78	11.79
7797.00	7783.87	30.25	72.01	56.23	111.02	66.05	13.31
7830.00	7811.77	34.29	74.40	72.59	116.09	82.92	12.84
7862.00	7837.62	37.90	75.98	90.34	120.89	101.15	11.65
7892.00	7860.71	41.42	77.17	108.51	125.33	119.77	12.00
7924.00	7883.96	45.37	78.65	129.52	129.93	141.26	12.75
7955.00	7904.93	49.51	79.69	151.49	134.21	163.68	13.58
7987.00	7924.75	53.90	80.85	175.78	138.44	188.43	14.01
8019.00	7942.55	58.48	82.40	201.65	142.31	214.73	14.87
8051.00	7958.16	63.14	84.82	229.03	145.40	242.48	15.99
8083.00	7971.60	67.18	88.16	257.75	147.16	271.46	15.78
8116.00	7983.39	70.96	92.32	288.45	147.02	302.27	16.42
8148.00	7992.85	74.66	95.66	319.01	144.89	332.75	15.27
8179.00	8000.34	77.38	96.74	349.08	141.64	362.65	9.40

				Sand Tank 9	Fed Com #1H	Final	Surveys.txt
8212.00	8007.23	78.52	96.84	381.33	137.82	394.70	3.47
8244.00	8012.90	81.07	96.54	412.81	134.15	425.98	8.02
8276.00	8017.01	84.15	96.26	444.53	130.61	457.51	9.66
8307.00	8019.29	87.41	95.70	475.44	127.39	488.25	10.67
8339.00	8020.13	89.60	96.10	507.42	124.11	520.07	6.96
8371.00	8020.40	89.43	96.17	539.41	120.69	551.88	0.57
8435.00	8021.43	88.72	95.74	603.39	114.05	615.53	1.30
8531.00	8023.58	88.72	96.20	699.35	104.07	710.99	0.48
8626.00	8024.75	89.87	96.53	794.32	93.53	805.39	1.26
8722.00	8025.41	89.34	96.49	890.28	82.65	900.77	0.55
8818.00	8027.18	88.55	95.92	986.24	72.28	996.19	1.01
8913.00	8028.56	89.78	95.80	1081.21	62.58	1090.68	1.30
9009.00	8029.00	89.69	95.60	1177.20	53.04	1186.21	0.23
9105.00	8029.37	89.87	97.00	1273.17	42.51	1281.62	1.47
9201.00	8029.52	89.96	96.55	1369.13	31.18	1376.95	0.48
9269.00	8029.62	89.87	96.98	1437.09	23.17	1444.48	0.65
9365.00	8029.83	89.87	98.27	1532.98	10.44	1539.63	1.34
9461.00	8030.42	89.43	98.37	1628.82	-3.45	1634.62	0.47
9557.00	8031.30	89.52	98.19	1724.65	-17.28	1729.61	0.21
9653.00	8032.55	88.99	98.84	1820.46	-31.49	1824.54	0.87
9750.00	8034.78	88.37	99.15	1917.19	-46.65	1920.32	0.71
9846.00	8038.17	87.58	99.37	2012.86	-62.09	2015.01	0.85
9942.00	8041.57	88.37	98.19	2108.58	-76.74	2109.83	1.48
10038.00	8043.12	89.78	97.20	2204.45	-89.59	2204.95	1.80
10134.00	8043.93	89.25	96.93	2300.38	-101.40	2300.21	0.62
10230.00	8045.04	89.43	96.75	2396.33	-112.83	2395.52	0.27
10325.00	8046.05	89.34	96.72	2491.27	-123.97	2489.86	0.10
10420.00	8047.80	88.55	95.91	2586.23	-134.42	2584.27	1.19
10516.00	8048.54	90.57	96.61	2682.20	-144.88	2679.69	2.23
10612.00	8045.45	93.12	97.36	2778.08	-156.55	2774.92	2.77
10708.00	8040.00	93.39	97.69	2873.82	-169.10	2869.94	0.44
10805.00	8034.42	93.21	98.22	2970.53	-182.50	2965.84	0.58
10899.00	8034.27	86.97	96.01	3064.41	-194.14	3059.07	7.04
10996.00	8037.69	88.99	97.08	3161.31	-205.19	3155.37	2.36
11092.00	8038.35	90.22	97.80	3257.21	-217.62	3250.56	1.48
11187.00	8039.00	88.99	95.79	3352.15	-228.86	3344.88	2.48
11283.00	8041.73	87.76	95.20	3448.11	-238.05	3440.40	1.42
11378.00	8045.30	87.93	95.83	3543.04	-247.17	3534.89	0.69
11474.00	8047.59	89.34	96.83	3638.98	-257.75	3630.28	1.80
11570.00	8050.46	87.23	96.44	3734.89	-268.84	3725.58	2.24
11663.00	8055.16	86.97	96.35	3827.74	-279.18	3817.89	0.30
11760.00	8060.29	86.97	96.35	3924.57	-289.90	3914.16	0.00

**Sand Tank 9 Fed Com 1H
30-015-36270
EOG Resources, Inc.
December 3, 2008**

- 1. Item 19 – Is there be a plug back depth since the hole TD is 11760' and the casing is 11750'?**
- 2. Item 21 – log types are to be listed.**
- 3. Item 23 – size and grade are to be included.**
- 4. Item 24 – packer depth to be included if one set.**
- 5. Item 25 – the perforation sections are to be listed separately as is the treatment for each section.**
- 6. Item 28 – specify whether pressure is flowing or shut-in. Mark out one not needed. Also need the gas gravity.**
- 7. Item 30 – this is to be completed. This will be similar to Item 31, but has more detail about the formation and its contents.**
- 8. Submit amended completion report within 30 days.**

WWI 120308