

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

HOBBES OGD

DEC 27 2012

3. Lease Serial No.
NMNM 43564

6. If Indian Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

RECEIVED 100 of CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Devon Energy Production Company, L.P.

3a. Address

333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102-5010

3b. Phone No. (include area code)

405-235-3611

8. Well Name and No.

GAUCHO 21 FEDERAL 2H

9. API Well No.

30-025-40626

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC 21 T22S R34E, SWSW, 375 FSL & 375 FWL

10. Field and Pool or Exploratory Area

DELAWARE

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Completion Report</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

8/10/12 - 8/29/12 - MIRU PU and completions equipment, ND WH & NU BOP, test to 2,000psi - OK. PU & RIH w/ bit & tbg, tag float collar @ 12,543', CHC. POOH w/ tbg, RU WL, RIH & ran CBL, TOC @ 3,488'. RD WL, PU TCP guns, RIH, tagged PBTD, perforate interval from 8,625' - 12,538' w/252 holes. MIRU WL, Frac 7 stages w/ 1,131,076# 30/50 WS, 21,161 gals 7.5% HCL & 603,165# Super LC, 20/40. FL w/4,228 bbls slick water. RD WL & ND frac stack, NU BOP stack, MIRU Reverse equipment, RIH w/4-3/4" bit & tbg; tag cap plug @ 7,790', DO plugs to PBTD @ 12,543'; CHC & POOH w/tbg. Flow back well, prepare to run sub pump. MU & RIH w/pump & tbg, set btm of sub pump assy @ 7,823' & intake @ 7,784'. POOH w/ tbg, ND BOP stack, NU WH, Test connections, RD and release rig. TOP.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

DAVID H. COOK

Title REGULATORY SPECIALIST

Signature

Date 12/03/2012

RECEIVED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

(Instructions on page 2)

JAN 08 2013

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other: _____						5. Lease Serial No. NMNM 43564			
						6. If Indian, Allottee or Tribe Name			
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, L.P.						7. Unit or CA Agreement Name and No.			
3. Address Attn: DAVID H. COOK, 333 W. SHERIDAN AVE., OKLAHOMA CITY, OKLAHOMA 73102-5010				3a. Phone No. (include area code) (405) 552-7848		8. Lease Name and Well No. GAUCHO 21 FEDERAL 2H			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UNIT M, 375 FSL & 375 FWL At top prod. interval reported below At total depth UNIT D, 374 FNL & 354 FWL				HOBBS OCD DEC 27 2012 PP: 375 FSL & 375 FWL RECEIVED		9. AFI Well No. 30-025-40626			
10. Field and Pool or Exploratory DELAWARE									
11. Sec., T., R., M., on Block and Survey or Area 21-22S-34E				12. County or Parish LEA		13. State NM			
14. Date Spudded 07/10/2012		15. Date T.D. Reached 08/01/2012		16. Date Completed 08/30/2012 ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3,438' GL			
18. Total Depth: MD 12,600' TVD		19. Plug Back T.D.: MD 12,543' TVD		20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SEE ADDITIONAL REMARKS ON BACK				22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ 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
17-1/2"	13-3/8, J-55	54.5#	0	1,741'		1,505sx		Surface	
12-1/4"	9-5/8, K-55	40.5#	0	5,020'		3,225sx		Surface	
8-3/4"	5-1/2, P-110	17#	0	12,600'		1,705sx		CAL 2,673'	
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"	7,991'								
25. Producing Intervals									
Formation		Top	Bottom	26. Perforation Record		Size	No. Holes	Perf. Status	
A) Delaware		8,625'	12,538'	8,625' - 12,538'		0.42"	252	Open	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
8,625' - 12,538'		Frac 7 Stages w/ total: 1,131,076# 30/50 White Sand, 21,161 gallons 7.5% HCL, 603,165# SLC, 20/40, flush w/ 1,683 bbls Slick Water (See attached detailed summary)							
RECLAMATION DUE 2-28-13									
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
8/30/12	9/14/12	24	➔	173	124	1715			PUMPING
Choke Size	Tbg. Press. Flwg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI 320			➔	173	124	1715	0.72	PRODUCING FOR RECORD	
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. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
SI			➔					DEC 22 2012	

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 (Solid, 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
RUSTLER	2,201'	2,310'		RUSTLER	2,201'
TOP OF SALT	2,310'	3,620'		TOP OF SALT	2,310'
BASE OF SALT	3,620'	5,332'		BASE OF SALT	3,620'
BELL CANYON	5,332'	6,191'		BELL CANYON	5,332'
CHERRY CANYON	6,191'	7,510'	OIL & SALT WATER	CHERRY CANYON	6,191'
BRUSHY CANYON	7,510'	TD	OIL & SALT WATER	BRUSHY CANYON	7,510'

32. Additional remarks (include plugging procedure):

Type Electric and Other Logs Run:

Cement Bond Log
Spectral Gamma Ray
Platform Express High Resolution Laterolog Array Spectral Gamma Ray
Platform Express Compensated Neutron Log Three Detector Litho-Density
Borehole Compensated Sonic Spectral Gamma Ray

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) DAVID H. COOK

Title REGULATORY SPECIALIST

Signature

Date 12/03/2012

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.

HOBBS OCD**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

DEC 27 2012

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT**RECEIVED****WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number 30-025-40626		2 Pool Code 97946		3 Pool Name DELAWARE	
4 Property Code 30864		5 Property Name GAUCHO "21" FEDERAL			6 Well Number 2H
7 OGRID No. 6137		8 Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.			9 Elevation 3438.9

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
M	21	22 S	34 E		375	SOUTH	375	WEST	LEA

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
D	21	22 S	34 E		374	NORTH	354	WEST	LEA

12 Dedicated Acres 160	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.

BOTTOM OF HOLE LAT. = 32.3834156°N LONG. = 103.4823311°W NMSP EAST (FT) N = 504263.02 E = 804038.51 N Q CORNER SEC. 21 LAT. = 32.3844614°N LONG. = 103.4749979°W NMSP EAST (FT) N = 504661.81 E = 806299.25 NW CORNER SEC. 21 LAT. = 32.3844435°N LONG. = 103.4835441°W NMSP EAST (FT) N = 504634.03 E = 803661.09 W Q CORNER SEC. 21 LAT. = 32.3771852°N LONG. = 103.4835548°W NMSP EAST (FT) N = 501993.36 E = 803678.74 SW CORNER SEC. 21 LAT. = 32.3699343°N LONG. = 103.4836025°W NMSP EAST (FT) N = 499355.33 E = 803684.98 CAUCHO "21" FEDERAL #2H ELEV. = 3438.9' LAT. = 32.3709626°N (NAD83) LONG. = 103.4823813°W NMSP EAST (FT) N = 499732.43 E = 804059.05 S Q CORNER SEC. 21 LAT. = 32.3699178°N LONG. = 103.4750181°W NMSP EAST (FT) N = 499370.49 E = 806335.49		17 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 undivided 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. 12/3/2012 Signature Date Printed Name David H. Cook Regulatory Specialist 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. DECEMBER 11, 2011 Date of Survey Signature and Seal of Professional Surveyor Certificate Number: JERON F. JARAMILLO, PLS-12797 SURVEY NO. 709
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Company: Devon Energy Production Co., LP
Lease/Well: Gaucho 21 Federal / No. 002H

Rig Name: H&P 416
State/County: New Mexico /Eddy
Latitude: 32.22
GRID North is 0.56 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : 25'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gaucho 21 federal 2h_ed.ut

Minimum Curvature Method

Report Date/Time: 7/31/2012 / 10:37

Vaughn Energy Services

Woodward, Oklahoma

580-254-5000

Surveyor: Nick Harding

Guacho 21 Federal No. 002H / API 30-025-40626

HOBBS OCD
DEC 27 2012
RECEIVED

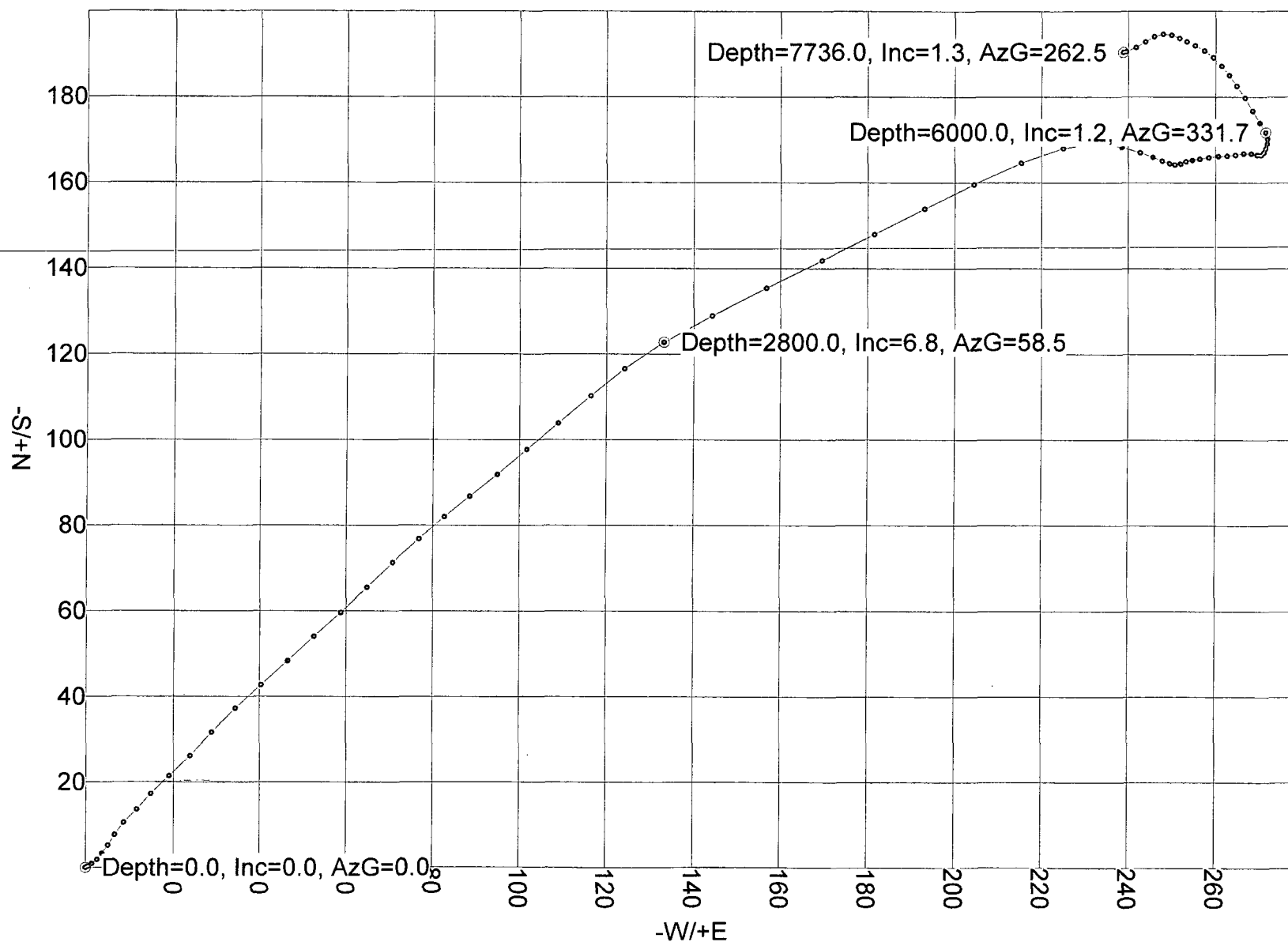
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.61	61.40	100.00	0.26	0.47	0.26	0.53	61.40	0.61
200.00	0.79	50.11	199.99	0.95	1.47	0.95	1.75	56.99	0.22
300.00	0.97	52.27	299.98	1.91	2.66	1.91	3.27	54.34	0.18
400.00	1.18	25.54	399.96	3.36	3.77	3.36	5.05	48.34	0.54
500.00	1.51	41.65	499.93	5.27	5.09	5.27	7.32	44.01	0.49
600.00	1.78	25.07	599.89	7.66	6.62	7.66	10.13	40.85	0.55
700.00	2.30	44.22	699.83	10.51	8.68	10.51	13.63	39.56	0.85
800.00	2.55	43.52	799.74	13.56	11.62	13.56	17.86	40.58	0.25
900.00	3.07	39.10	899.62	17.26	14.84	17.26	22.76	40.69	0.56
1000.00	3.67	49.83	999.45	21.40	18.97	21.40	28.59	41.56	0.87
1100.00	4.11	41.75	1099.22	26.13	23.80	26.13	35.35	42.33	0.70
1200.00	4.47	43.23	1198.94	31.65	28.86	31.65	42.83	42.36	0.37
1300.00	4.54	45.21	1298.63	37.27	34.33	37.27	50.68	42.65	0.17
1400.00	4.74	49.74	1398.30	42.73	40.29	42.73	58.73	43.32	0.42
1500.00	4.86	45.21	1497.95	48.38	46.45	48.38	67.07	43.83	0.40
1600.00	4.68	48.58	1597.61	54.06	52.51	54.06	75.37	44.17	0.33
1700.00	4.85	47.42	1697.26	59.62	58.69	59.62	83.66	44.55	0.19
1800.00	4.91	45.49	1796.90	65.48	64.85	65.48	92.16	44.72	0.18

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	4.69	46.50	1896.55	71.30	70.87	71.30	100.53	44.83	0.24
2000.00	4.68	48.02	1996.21	76.84	76.87	76.84	108.69	45.01	0.12
2100.00	4.25	49.09	2095.91	82.00	82.70	82.00	116.46	45.25	0.44
2200.00	4.40	52.31	2195.62	86.77	88.54	86.77	123.97	45.58	0.28
2300.00	5.00	50.04	2295.29	91.92	94.92	91.92	132.13	45.92	0.63
2400.00	5.30	49.01	2394.88	97.75	101.75	97.75	141.10	46.15	0.31
2500.00	5.55	50.60	2494.44	103.85	108.97	103.85	150.53	46.38	0.29
2600.00	5.70	48.08	2593.95	110.23	116.40	110.23	160.31	46.56	0.29
2700.00	5.78	52.42	2693.45	116.62	124.09	116.62	170.29	46.78	0.44
2800.00	6.77	58.48	2792.85	122.77	133.10	122.77	181.07	47.31	1.19
2900.00	7.86	62.77	2892.04	128.98	144.20	128.98	193.47	48.19	1.22
3000.00	8.37	62.76	2991.04	135.44	156.76	135.44	207.16	49.17	0.51
3100.00	8.10	63.71	3090.01	141.89	169.54	141.89	221.08	50.07	0.31
3200.00	7.48	62.58	3189.09	148.01	181.63	148.01	234.30	50.82	0.64
3300.00	7.38	62.95	3288.25	153.93	193.13	153.93	246.97	51.44	0.11
3400.00	7.10	63.20	3387.45	159.64	204.37	159.64	259.33	52.01	0.28
3500.00	6.67	68.25	3486.73	164.58	215.28	164.58	270.98	52.60	0.74
3600.00	5.20	73.49	3586.19	168.02	225.02	168.02	280.83	53.25	1.56
3700.00	3.85	92.79	3685.88	169.14	232.72	169.14	287.70	53.99	2.02
3800.00	2.96	105.35	3785.70	168.30	238.56	168.30	291.95	54.80	1.16
3900.00	2.08	107.98	3885.61	167.05	242.78	167.05	294.70	55.47	0.88
4000.00	1.46	113.01	3985.56	165.99	245.68	165.99	296.50	55.95	0.64
4100.00	1.20	112.25	4085.53	165.10	247.81	165.10	297.78	56.33	0.26
4200.00	0.78	106.49	4185.52	164.51	249.44	164.51	298.80	56.59	0.42
4300.00	0.67	100.22	4285.51	164.22	250.67	164.22	299.67	56.77	0.14
4400.00	0.85	66.55	4385.50	164.41	251.92	164.41	300.82	56.87	0.47
4500.00	0.80	69.83	4485.49	164.94	253.25	164.94	302.23	56.92	0.07
4600.00	0.93	82.05	4585.48	165.30	254.71	165.30	303.65	57.02	0.22
4700.00	1.05	80.62	4685.46	165.56	256.42	165.56	305.22	57.15	0.12
4800.00	1.31	80.97	4785.44	165.89	258.45	165.89	307.11	57.31	0.26
4900.00	1.23	82.77	4885.42	166.20	260.65	166.20	309.13	57.48	0.09
5000.00	1.09	91.26	4985.40	166.32	262.67	166.32	310.89	57.66	0.22
5100.00	1.10	78.53	5085.38	166.49	264.56	166.49	312.59	57.82	0.24
5200.00	1.12	83.48	5185.36	166.79	266.48	166.79	314.37	57.96	0.10
5300.00	0.91	98.25	5285.34	166.79	268.24	166.79	315.87	58.13	0.33
5400.00	0.69	109.09	5385.33	166.47	269.60	166.47	316.86	58.31	0.27
5500.00	0.40	63.17	5485.33	166.43	270.49	166.43	317.59	58.40	0.50
5600.00	0.60	34.44	5585.33	167.02	271.09	167.02	318.42	58.36	0.31
5700.00	0.66	20.86	5685.32	167.99	271.59	167.99	319.35	58.26	0.16

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg - Severity Deg/100
5800.00	0.62	11.03	5785.31	169.06	271.90	169.06	320.18	58.13	0.12
5900.00	0.69	0.83	5885.31	170.20	272.02	170.20	320.88	57.97	0.14
6000.00	1.21	331.69	5985.29	171.74	271.52	171.74	321.28	57.69	0.69
6100.00	1.77	326.60	6085.26	173.95	270.17	173.95	321.33	57.22	0.57
6200.00	1.97	331.56	6185.21	176.75	268.51	176.75	321.46	56.64	0.26
6300.00	2.03	327.83	6285.15	179.76	266.74	179.76	321.66	56.02	0.15
6400.00	1.81	324.43	6385.09	182.55	264.88	182.55	321.69	55.43	0.25
6500.00	1.68	325.02	6485.04	185.04	263.12	185.04	321.67	54.88	0.14
6600.00	1.54	316.45	6585.00	187.21	261.35	187.21	321.49	54.38	0.28
6700.00	1.63	314.94	6684.96	189.19	259.42	189.19	321.08	53.90	0.10
6800.00	1.37	298.45	6784.93	190.77	257.36	190.77	320.35	53.45	0.50
6900.00	1.40	299.69	6884.90	191.94	255.25	191.94	319.36	53.06	0.04
7000.00	1.02	291.03	6984.88	192.87	253.35	192.87	318.41	52.72	0.42
7100.00	1.12	299.36	7084.86	193.67	251.67	193.67	317.56	52.42	0.18
7200.00	1.13	286.62	7184.84	194.43	249.87	194.43	316.61	52.11	0.25
7300.00	1.16	265.91	7284.82	194.64	247.93	194.64	315.20	51.87	0.41
7400.00	1.33	246.02	7384.80	194.09	245.86	194.09	313.24	51.71	0.46
7500.00	1.40	232.94	7484.77	192.88	243.82	192.88	310.89	51.65	0.32
7600.00	1.48	244.09	7584.74	191.59	241.69	191.59	308.41	51.60	0.29
7700.00	1.27	248.08	7684.71	190.61	239.50	190.61	306.09	51.48	0.23
7736.00	1.28	262.49	7720.70	190.41	238.73	190.41	305.37	51.42	0.89



Vaughn Energy Services
Woodward, Oklahoma
580-254-5000
Surveyor: Nick Harding
Guacho 21 Federal No. 002H / API 30-025-40626



VES Survey Date: 07/23/2012



Weatherford®

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: August 3, 2012

Attention: Kurtis Schmitz

Re: Devon Energy
Well: Gaucho 21 Federal #2H
Lea County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Seth Cash MWD Supervisor	2H	7853' MD 12535' MD	7/22/2010 8/2/2010	Measurement While Drilling

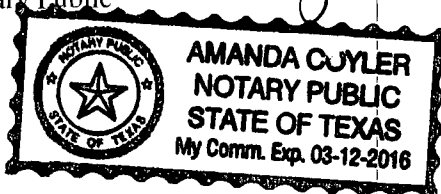
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
Area Manager

On this, the 6th day of August, 2012, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Amanda Cuyler
Notary Public





Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy				Date: 8/2/2012		Time: 05:34:57		Page: 1		
Field: Lea County, New Mexico (NAD 83)				Co-ordinate(NE) Reference:		Well: Gaucho 21 Fed #2H, Grid North				
Site: Gaucho 21 Federal #2H				Vertical (TVD) Reference:		SITE 3464.0				
Well: Gaucho 21 Fed #2H				Section (VS) Reference:		Well (0.00N,0.00E,359.74Azi)				
Wellpath: 1				Survey Calculation Method:		Minimum Curvature Db: Sybase				
Survey: Wft Svy				Start Date:		7/25/2012				
Company: Weatherford International Ltd.				Engineer:		Keith Noack				
Tool: MWD/MWD - Standard				Tied-to:		User Defined				
Field: Lea County, New Mexico (NAD 83)				Map Zone:		New Mexico, Eastern Zone				
Map System: US State Plane Coordinate System 1983				Coordinate System:		Well Centre				
Geo Datum: GRS 1980				Geomagnetic Model:		IGRF2010				
Sys Datum: Mean Sea Level										
Site: Gaucho 21 Federal #2H										
Site Position:		Northing:		499732.43 ft		Latitude:		32 22 15.456 N		
From: Map		Easting:		804059.05 ft		Longitude:		103 28 56.592 W		
Position Uncertainty:		0.00 ft				North Reference:		Grid		
Ground Level:		3439.00 ft				Grid Convergence:		0.46 deg		
Well: Gaucho 21 Fed #2H				Slot Name:						
Well Position:		+N/-S 0.00 ft		Northing:		499732.43 ft		Latitude: 32 22 15.456 N		
		+E/-W 0.00 ft		Easting:		804059.05 ft		Longitude: 103 28 56.592 W		
Position Uncertainty:		0.00 ft								
Wellpath: 1				Drilled From:		Surface				
Current Datum:		SITE		Height		3464.00 ft		Tie-on Depth: 0.00 ft		
Magnetic Data:		7/15/2012						Above System Datum: Mean Sea Level		
Field Strength:		48632 nT						Declination: 7.42 deg		
Vertical Section:		Depth From (TVD)		+N/-S		+E/-W		Mag Dip Angle: 60.31 deg		
		ft		ft		ft		Direction		
								deg		
		0.00		0.00		0.00		359.74		
Survey										
MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft	
7736.00	1.28	262.49	7720.70	190.41	238.73	0.00	189.32	499922.84	804297.78	Tie On VES First Wft Svy
7853.00	3.14	321.10	7837.62	192.73	235.42	2.31	191.66	499925.16	804294.47	
7885.00	6.36	339.99	7869.51	195.08	234.26	11.06	194.02	499927.51	804293.31	
7915.00	9.78	342.15	7899.21	199.07	232.91	11.44	198.01	499931.50	804291.96	
7947.00	11.08	344.91	7930.68	204.63	231.28	4.35	203.57	499937.06	804290.33	
7979.00	8.86	349.04	7962.20	210.01	230.01	7.28	208.97	499942.44	804289.06	
8010.00	10.41	359.00	7992.76	215.16	229.51	7.33	214.12	499947.59	804288.56	
8042.00	13.07	6.73	8024.09	221.64	229.88	9.64	220.60	499954.07	804288.93	
8073.00	15.84	9.09	8054.10	229.31	230.96	9.13	228.25	499961.74	804290.01	
8105.00	18.13	9.35	8084.71	238.53	232.46	7.16	237.47	499970.96	804291.51	
8137.00	21.13	5.86	8114.84	249.18	233.86	10.06	248.12	499981.61	804292.91	
8168.00	23.60	357.44	8143.52	260.95	234.15	13.03	259.88	499993.38	804293.20	
8200.00	26.67	8.09	8172.50	274.47	234.88	17.05	273.40	500006.90	804293.93	
8231.00	28.02	10.56	8200.04	288.51	237.19	5.69	287.43	500020.94	804296.24	
8263.00	30.52	10.73	8227.95	303.89	240.08	7.82	302.80	500036.32	804299.13	
8294.00	33.74	10.76	8254.20	320.08	243.16	10.39	318.98	500052.51	804302.21	
8326.00	36.80	9.92	8280.32	338.26	246.47	9.68	337.14	500070.69	804305.52	
8357.00	40.71	10.02	8304.49	357.37	249.83	12.61	356.23	500089.80	804308.88	
8389.00	43.60	7.73	8328.21	378.59	253.13	10.23	377.43	500111.02	804312.18	
8420.00	46.49	7.51	8350.11	400.33	256.03	9.34	399.16	500132.76	804315.08	
8452.00	49.03	7.73	8371.62	423.81	259.18	7.95	422.63	500156.24	804318.23	
8483.00	52.21	6.59	8391.29	447.58	262.16	10.64	446.38	500180.01	804321.21	
8515.00	55.28	6.42	8410.21	473.21	265.08	9.60	472.01	500205.64	804324.13	
8547.00	59.05	6.54	8427.56	499.92	268.11	11.79	498.70	500232.35	804327.16	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Gaucho 21 Federal #2H
Well: Gaucho 21 Fed #2H
Wellpath: 1

Date: 8/2/2012 Time: 05:34:57 Page: 2
Co-ordinate(NE) Reference: Well: Gaucho 21 Fed #2H, Grid North
Vertical (TVD) Reference: SITE 3464.0
Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8578.00	63.67	6.13	8442.41	526.96	271.11	14.95	525.72	500259.39	804330.16	
8610.00	68.37	3.84	8455.42	556.08	273.64	16.08	554.83	500288.51	804332.69	
8642.00	73.84	0.00	8465.78	586.32	274.64	20.52	585.06	500318.75	804333.69	
8673.00	80.08	358.13	8472.77	616.50	274.14	20.97	615.25	500348.93	804333.19	
8705.00	85.03	357.31	8476.91	648.19	272.88	15.68	646.95	500380.62	804331.93	
8736.00	86.57	357.44	8479.19	679.07	271.46	4.99	677.84	500411.50	804330.51	
8768.00	89.66	358.32	8480.24	711.03	270.28	10.04	709.80	500443.46	804329.33	
8799.00	93.43	358.70	8479.40	742.00	269.47	12.22	740.77	500474.43	804328.52	
8831.00	94.07	359.00	8477.31	773.93	268.83	2.21	772.70	500506.36	804327.88	
8863.00	94.13	358.95	8475.02	805.84	268.26	0.24	804.62	500538.27	804327.31	
8894.00	94.12	358.64	8472.79	836.75	267.61	1.00	835.53	500569.18	804326.66	
8926.00	93.84	358.28	8470.57	868.67	266.75	1.42	867.45	500601.10	804325.80	
8957.00	94.06	358.04	8468.43	899.58	265.76	1.05	898.36	500632.01	804324.81	
8989.00	93.43	357.38	8466.34	931.48	264.48	2.85	930.27	500663.91	804323.53	
9020.00	92.40	356.77	8464.77	962.40	262.90	3.86	961.20	500694.83	804321.95	
9052.00	92.46	356.63	8463.41	994.32	261.06	0.48	993.12	500726.75	804320.11	
9084.00	92.80	356.77	8461.94	1026.23	259.22	1.15	1025.05	500758.66	804318.27	
9147.00	92.17	356.63	8459.21	1089.07	255.60	1.02	1087.90	500821.50	804314.65	
9178.00	92.34	356.77	8457.99	1119.99	253.82	0.71	1118.83	500852.42	804312.87	
9241.00	90.11	355.63	8456.64	1182.84	249.64	3.98	1181.69	500915.27	804308.69	
9273.00	89.94	355.14	8456.63	1214.73	247.07	1.62	1213.60	500947.16	804306.12	
9367.00	89.71	354.19	8456.92	1308.32	238.33	1.04	1307.23	501040.75	804297.38	
9462.00	89.94	354.11	8457.21	1402.83	228.65	0.26	1401.78	501135.26	804287.70	
9556.00	90.40	357.40	8456.93	1496.56	221.69	3.53	1495.53	501228.99	804280.74	
9650.00	90.23	354.66	8456.41	1590.32	215.18	2.92	1589.33	501322.75	804274.23	
9745.00	90.97	354.93	8455.42	1684.92	206.56	0.83	1683.97	501417.35	804265.61	
9839.00	90.40	354.69	8454.29	1778.53	198.06	0.66	1777.61	501510.96	804257.11	
9934.00	90.40	354.69	8453.63	1873.12	189.27	0.00	1872.24	501605.55	804248.32	
10029.00	89.71	354.17	8453.54	1967.67	180.05	0.91	1966.83	501700.10	804239.10	
10123.00	91.66	356.15	8452.42	2061.32	172.12	2.96	2060.52	501793.75	804231.17	
10218.00	90.46	356.42	8450.66	2156.10	165.96	1.29	2155.33	501888.53	804225.01	
10312.00	91.09	356.84	8449.39	2249.93	160.44	0.81	2249.18	501982.36	804219.49	
10407.00	90.86	356.44	8447.77	2344.75	154.87	0.49	2344.03	502077.18	804213.92	
10502.00	92.97	355.64	8444.60	2439.47	148.32	2.38	2438.77	502171.90	804207.37	
10596.00	93.14	355.40	8439.59	2533.05	140.98	0.31	2532.38	502265.48	804200.03	
10691.00	93.03	355.43	8434.47	2627.61	133.40	0.12	2626.97	502360.04	804192.45	
10785.00	92.80	355.90	8429.69	2721.21	126.31	0.56	2720.61	502453.64	804185.36	
10880.00	93.48	356.02	8424.49	2815.84	119.62	0.73	2815.26	502548.27	804178.67	
10974.00	91.43	355.55	8420.46	2909.49	112.72	2.24	2908.95	502641.92	804171.77	
11069.00	91.60	355.99	8417.95	3004.20	105.72	0.50	3003.69	502736.63	804164.77	
11164.00	89.71	355.20	8416.87	3098.91	98.42	2.16	3098.43	502831.34	804157.47	
11258.00	89.37	355.69	8417.62	3192.61	90.95	0.63	3192.16	502925.04	804150.00	
11353.00	89.09	355.69	8418.90	3287.33	83.82	0.29	3286.91	503019.76	804142.87	
11447.00	88.97	356.10	8420.49	3381.07	77.09	0.45	3380.69	503113.50	804136.14	
11542.00	90.63	355.42	8420.82	3475.81	70.06	1.89	3475.46	503208.24	804129.11	
11637.00	90.29	355.69	8420.06	3570.52	62.70	0.46	3570.20	503302.95	804121.75	
11731.00	92.06	355.20	8418.13	3664.20	55.24	1.95	3663.91	503396.63	804114.29	
11826.00	91.54	355.15	8415.15	3758.82	47.25	0.55	3758.56	503491.25	804106.30	
11921.00	91.14	355.16	8412.92	3853.45	39.23	0.42	3853.23	503585.88	804098.28	
12015.00	89.77	355.03	8412.18	3947.10	31.19	1.46	3946.92	503679.53	804090.24	
12110.00	89.66	354.95	8412.65	4041.74	22.90	0.14	4041.59	503774.17	804081.95	
12204.00	90.29	355.23	8412.69	4135.39	14.85	0.73	4135.28	503867.82	804073.90	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Lea County, New Mexico (NAD 83)
Site: Gaucho 21 Federal #2H
Well: Gaucho 21 Fed #2H
Wellpath: 1

Date: 8/2/2012 **Time:** 05:34:57 **Page:** 3
Co-ordinate(NE) Reference: Well: Gaucho 21 Fed #2H, Grid North
Vertical (TVD) Reference: SITE 3464.0
Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
12299.00	91.48	355.44	8411.22	4230.06	7.13	1.27	4229.99	503962.49	804066.18	
12394.00	92.69	355.80	8407.77	4324.72	-0.12	1.33	4324.68	504057.15	804058.93	
12488.00	93.26	355.56	8402.89	4418.33	-7.20	0.66	4418.31	504150.76	804051.85	
12535.00	93.48	355.82	8400.13	4465.11	-10.72	0.72	4465.12	504197.54	804048.33	Last Wft Svy
12600.00	93.48	355.82	8396.18	4529.82	-15.45	0.00	4529.84	504262.25	804043.60	Proj. To Bit

Annotation

MD ft	TVD ft	
7736.00	7720.70	Tie On VES
7853.00	7837.62	First Wft Svy
12535.00	8400.13	Last Wft Svy
12600.00	8396.18	Proj. To Bit

devon

Gaucha 21 Federal #2H Lea County, New Mexico



KB ELEV: 3464
GL ELEV: 3439

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8581.00	61.61	6.07	8444.73	529.09	271.19	0.00	0.00	527.86	
2	8753.73	91.19	355.63	8485.00	694.87	272.68	18.08	-20.45	693.62	
3	12601.48	91.19	355.63	8405.00	4530.59	-20.54	0.00	0.00	4530.64	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Gaucha 21 Fed #2H	0.00	0.00	499732.43	804059.05	32°22'15.456N	103°28'56.592W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8405.00	4530.59	-20.54	504263.02	804038.51	Rectangle (3763x15)

SITE DETAILS

Gaucha 21 Federal #2H
Site Centre Northing: 499732.43
Easting: 804059.05
Ground Level: 3439.00
Positional Uncertainty: 0.00
Convergence: 0.46



Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.97°
Magnetic Field
Strength: 48632nT
Dip Angle: 60.31°
Date: 7/15/2012
Model: IGRF2010

Total Correction to Grid North: 6.97°

FIELD DETAILS

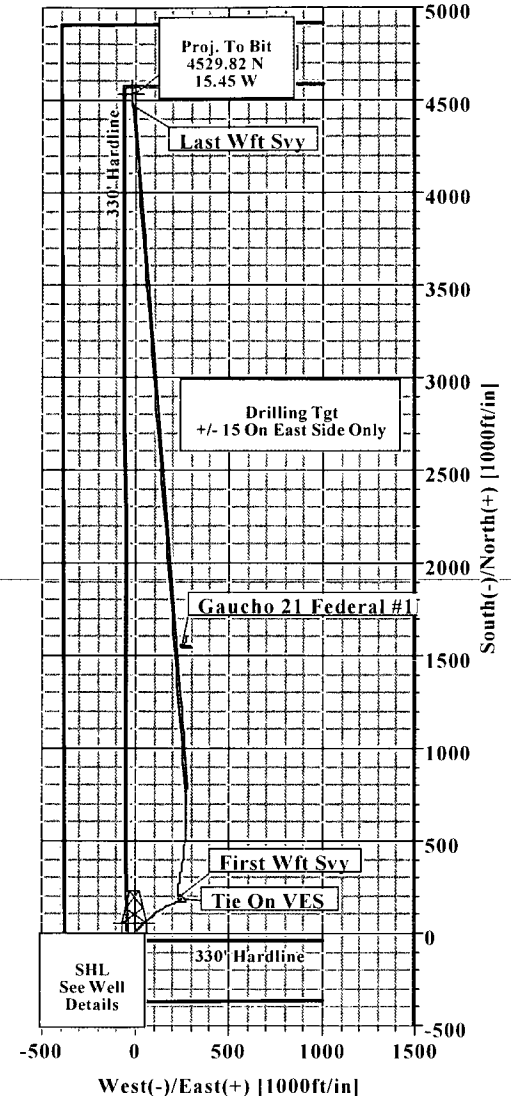
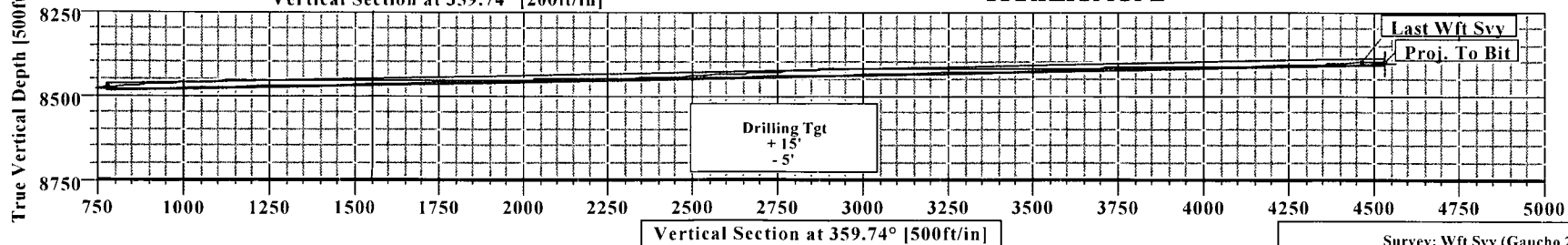
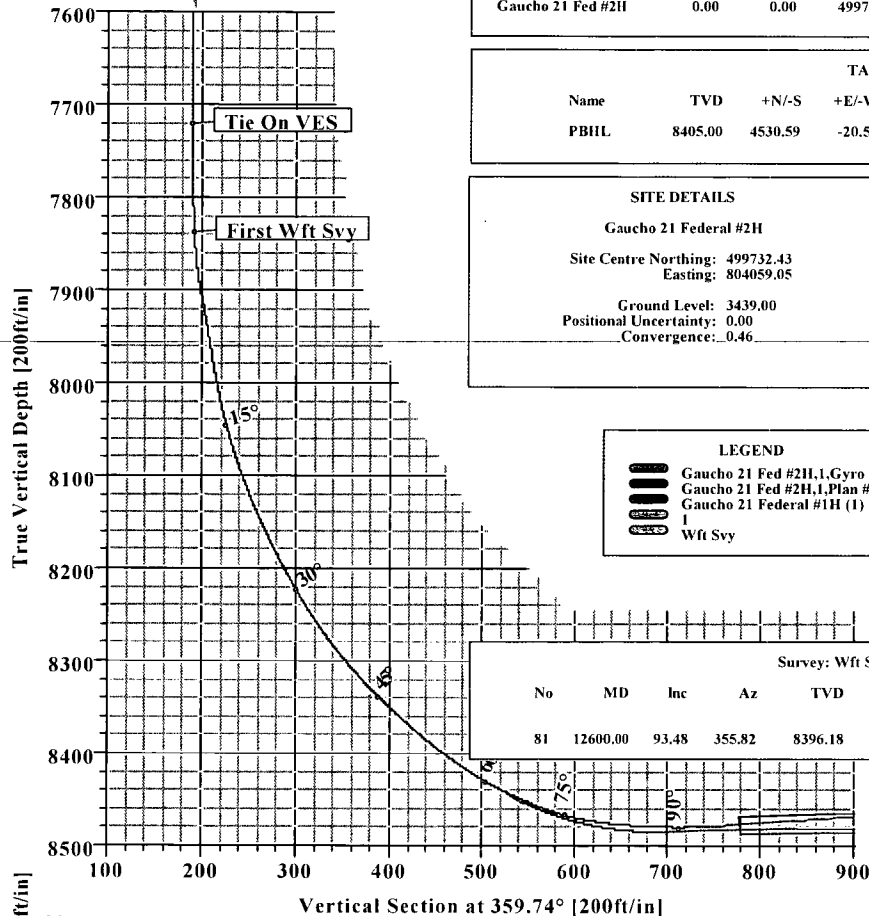
Lea County, New Mexico (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

LEGEND

- Gaucha 21 Fed #2H.1, Gyro Svy
- Gaucha 21 Fed #2H.1, Plan #4
- Gaucha 21 Federal #1H (1)
- Wft Svy

Survey: Wft Svy (Gaucha 21 Fed #2H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
81	12600.00	93.48	355.82	8396.18	4529.82	-15.45	0.00	180.00	4529.84



Weatherford





Stimulations Summary

District PERMIAN BASIN		County LEA		Field Name OJO CHISO		Project Group PB NEW MEXICO			State/Province NM		
Surface Legal Location SEC21 T22S R34E		API/UWI 3002540626		Latitude (°) 32° 22' 15.465" N		Longitude (°) 103° 28' 56.573" W		Ground Elev... 3,438.90	KB - GL (ft) 25.00	Orig KB Elev (ft) 3,463.90	Tubing Head Elevation (ft)
HYDRAULIC FRAC , 8/20/2012 10:32 , DELAWARE, OH , 12,111.0 ftkB - 12,548.0 ftkB, BHI , 264010 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	5047.60	0.0	1,521.0	4,533.0	1,521.0	5,972.0	74	7,669.0	80	4.00	
HYDRAULIC FRAC , 8/20/2012 14:14 , DELAWARE, OH , 11,531.0 ftkB - 11,968.0 ftkB, BHI , 262782 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	4975.40	0.0	1,592.0	5,162.0	1,592.0	5,310.0	80	7,505.0	80	4.00	
HYDRAULIC FRAC , 8/20/2012 19:59 , DELAWARE, OH , 10,951.0 ftkB - 11,388.0 ftkB, BHI , 302814 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	5256.20	0.0	1,826.0	5,180.0	1,826.0	5,093.0	80	7,033.0	80	4.00	
HYDRAULIC FRAC , 8/21/2012 08:16 , DELAWARE, OH , 10,371.0 ftkB - 10,808.0 ftkB, BHI , 265588 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	4964.60	0.0	1,640.0	5,736.0	1,640.0	5,634.0	80	7,555.0	80	4.00	
HYDRAULIC FRAC , 8/21/2012 11:20 , DELAWARE, OH , 9,791.0 ftkB - 10,228.0 ftkB, BHI , 262128 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	4934.80	0.0	1,646.0	5,571.0	1,646.0	5,614.0	80	7,110.0	81	4.00	
HYDRAULIC FRAC , 8/21/2012 14:30 , DELAWARE, OH , 9,211.0 ftkB - 9,648.0 ftkB, BHI , 252193 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	4777.40	0.0	1,575.0	5,504.0	1,575.0	6,072.0	78	7,400.0	80	4.00	
HYDRAULIC FRAC , 8/21/2012 17:28 , DELAWARE, OH , 8,625.0 ftkB - 9,068.0 ftkB, BHI , 251431 LBS; OTTAWA 0 LBS											
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)	ISIP (psi)	Avg Treat Pressur...	Q Treat Avg (bbl/...	P Max (psi)	Q Treat Max (bbl/...	Conc Max (...)	
258,750.0	4846.70	0.0	1,464.0	6,666.0	1,464.0	5,859.0	79	7,414.0	81	4.00	