OCD Hobbs

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SUBMIT IN TRIPLICATE – *Other instructions on page 2*

RECEIVED
MAY 22 2013
HOBBS OCD

5. Lease Serial No.
NMNM-43564

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GAUCHO 21 FEDERAL 1

2. Name of Operator
Devon Energy Production Company, L.P.

9. API Well No.
30-025-34266

3a. Address
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102-0510

3b. Phone No. *(include area code)*
405-235-3611

10. Field and Pool or Exploratory Area
97922; BONE SPRING
DJO Chiso WEST

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
NWSW, 1980 FSL & 660 FWL, SEC 21 T22S R34E

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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.)

7/24/12 - 7/26/12 - MIRU WSU, bleed down csg, pressure test csg to 500psi, good. NDWH, NU BOP, release pkr & TOOH w/ tbg. RU WL, PU bailer, make two runs 1 sx each, dump bail cement. PU CIBP, RIH, set @ 12,845', POOH. Load csg w/23.5 bbls, pressure test to 1000psi, good. PU GR, CCL, CBL & RIH to 11,600', logged up to 2,700', POOH & LD tools. TOC @ 6,260'. PU bailer and make two runs 3sx cement to add 35' on top of CIBP, POOH, RD WL.
7/27/12 - 7/29/12 - BLM on location (Paul Flower), TIH & tag @ 12,856' on CIBP cmt, did not set up, pumped 450 bbls 2% KCL & reverse cmt out. RU BHI, test lines to 2,500psi, pumped 9bbls FW w/ 9bbls Cl H w/2% calcium cmt, 15.6 slurry, 1.18 yield, Displ w/46 bbls FW. RD BHI, WOC. TIH & tag cmt @ 12,548', BLM said good. TOOH w/25 jts CHC, pressure test to 2,600psi, tbg plugged, POOH w/tbg. TIH open ended, tag cmt @ 12,200'; pump 9 bbls FW, pump 102 sx Cl H w/2% calcium, 15.6 ppg, 1.18 yield, Displ w/ 45 bbls, RD BHI, TOOH w/30 jts, reverse cmt out w/45 bbls FW, got 4 bbls cmt back to pit, RD BHI, TOOH w/34 jts, WOC.
7/30/12 - BLM on location (Paul Flower), TIH & tag cmt @ 11,514', pump 45 bbls 2% KCL down csg, approx. 1.5 bbls cmt from tbg. Pressure test csg to 1,000 psi, good. TOOH w/ tbg. RU WL, Perf. 10,687'-10,752', w/ 69 holes. POOH & LD tools, RD WL.
7/31/2012 - 8/6/12 - PU Pkr & RIH w/tbg, test tbg in hole. POOH to above top perfs, RD tbg tester. RU BHI, Displ w/ 41 bbls 2% KCL, set Pkr @ 10,575', land tbg. ND BOP; NU WH; RU pop off line @ 750 csg psi; RU BHI, test lines to 8,000 psi, good. Pumped 5.2 bbls KCL, csg pressure climbed, decided to release BHI and bleed down well. RU swab and made 7 runs. Bled csg off, tbg flowed f/2 hours, pumped 20 bbls KCL down tbg, release Pkr, RIH & set Pkr @ 10,812' (approx. 60' below bottom perfs), tested Pkr down tbg @ 1,000psi, release Pkr and POOH. Hydro test tbg in hole, no leaks, ND BOP, set Pkr, NU WH, test csg, test did not hold. Open well up 7 RU swab. Made 20 runs, SD.
8/7/12 - PU swab, made three runs, LD swab, ND WH, NU BOP, pump 20 bbls KCL down tbg. PU tbg, tested Pkr, Ok, release Pkr and POOH.
8/9/12 - 8/11/12 - RU tbg tester, PU 7" HD Pkr, test tbg in hole @ 8,100psi. RD tester, ND BOP, NU tree, TIH w/Pkr and set @ 10,597', land tbg. Test PE seal, good; test csg, good. See attachments for continuation of procedure, Well Bore Schematic & CBL.

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

Title REGULATORY SPECIALIST

Signature D. Cook

Date 05/01/2013

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date MAY 20 2013

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.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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)

PA DJO Chiso, Morrow West Kz

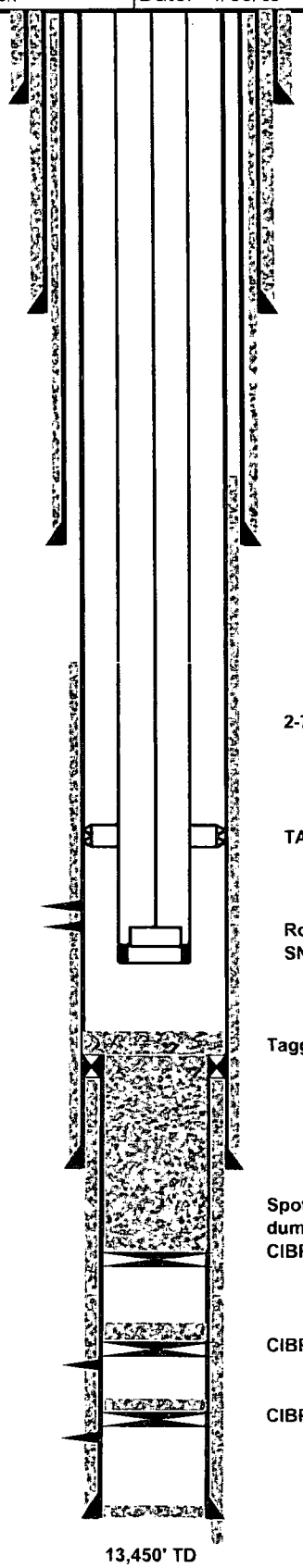
JUL 15 201

8/17/12 - 8/18/12 - RU BHI, test lines to 8,500psi. Frac well w/1,054# 100 Mesh WS, 43,763# 40/70 SLC, 58,728 gals Viking 2500 & 12,633 gals Linear Gel; flush w/95.7 bbls RD BHI. RD tree saver. Open well to flow back. Release rig crew.

8/29/12 - 9/7/12 - MIRU PU and completion equipment. ND tree & NU BOP. Kill well w/ 10# brine, release Pkr & POOH. MU & RIH w/prod. tbg. Set Tac @ 10,443', NDBOP, NU B1 flange, RIH w/ pump & rods, set SN @ 10,794', EOT @ 10,881'. Pressure to 500psi, no leaks. TOP on 9/7/12.

DEVON ENERGY PRODUCTION COMPANY LP

Well Name: GAUCHO 21 FEDERAL 1		Field: OJO CHISO	
Location: 1980' FSL & 660' FWL; SEC 21-T22S-R34E		County: LEA	State: NM
Elevation: 3464' KB; 3445' GL; 19' KB to GL		Spud Date: 8/6/98	Compl Date: 11/11/98
API#: 30-025-34266	Prepared by: Ronnie Slack	Date: 4/30/13	Rev:



26" Hole
20", 94#, H40 @ 830'
Cmt'd w/1025 sx to surf

17-1/2" Hole
13-3/8", 81#, J55, STC, @ 2,275'
Cmt'd w/1550 sx

12-1/4" Hole
9-5/8", 40#, K55 & L80, @ 5,180'
Cmt'd w/1450 sx

TOC @ 6,260' *(cbl-7/27/12)*

BONE SPRING
10,687'-10,702' *(7/31/12)*
10,744'-10,752' *(7/31/12)*
8/14/12: acidized w/3500 gal 15% HCl
8/18/12: Frac w/44.8# sand

8-3/4" Hole
7", 26#, S95, @ 11,880'
Cmt'd w/1500 sx

MORROW
12,901' - 12,906' *(8/29/11)*

MORROW
12,970' - 12,984' *(11/98)*

MORROW
13,326' - 13,345' *(11/98)*

6-1/8" Hole
4-1/2", 13.3#, P110, Liner from 11,657' to 13,445'
Cmt'd w/225 sx

2-7/8", 6.5#, L80 production tubing *(9/4/12)*

TAC @ 10,443'

Rod pump @ 10,794'
SN @ 10,794'

Tagged TOC @ 11,514'. *(7/31/12)*

Spot 38 sx cmt. *(7/28/12)*
dump bail 30' cmt *(7/26/12)*
CIBP @ 12,845' *(7/26/12)*

CIBP @ 12,960', w/8' cmt *(8/25/11)*

CIBP @ 13,315', w/20' cmt *(11/98)*

13,450' TD

DEVON ENERGY

Ojo Chiso Morrow
Lea County, NM
Gaucho 21 Federal #1
VH - Job #32K0712838

Survey: Gyro

SDI Standard Survey Report

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

Notarized this date 3rd of August, 2012.

Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
CARRIE REED
My Commission Expires
October 4, 2015

Scientific Drilling

Scientific Drilling International, Inc.

SDI Standard Survey Report

Scientific Drilling

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well Gaucho 21 Federal #1
Project:	Ojo Chiso Morrow	**TVD Reference:**	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	**MD Reference:**	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucho 21 Federal #1	**North Reference:**	Grid
Wellbore:	VH - Job #32K0712838	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #32K0712838	**Database:**	EDM-Regulatory

Project	Ojo Chiso Morrow		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Lea County, NM				
Site Position:		**Northing:**	501,188.12 usft	**Latitude:**	32° 22' 30.000 N
From:	Lat/Long	**Easting:**	763,141.99 usft	**Longitude:**	103° 28' 51.600 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.46 °

Well	Gaucho 21 Federal #1, Vertical					
Well Position	**+N/-S**	0.00 usft	**Northing:**	501,188.12 usft	**Latitude:**	32° 22' 30.000 N
	+E/-W	0.00 usft	**Easting:**	763,141.99 usft	**Longitude:**	103° 28' 51.600 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	0.00 usft

Wellbore	VH - Job #32K0712838				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	07/09/12	7.43	60.32	48,636

Design	VH - Job #32K0712838				
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	211.74	

Survey Program	**Date** 08/13/12			
From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
100.00	9,000.00	Gyro (VH - Job #32K0712838)	Keeper	Keeper Gyro

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.20	327.42	100.00	0.15	-0.09	327.42	0.17
200.00	0.22	327.43	200.00	0.46	-0.29	327.42	0.54
300.00	0.20	335.21	300.00	0.78	-0.47	328.92	0.91
400.00	0.26	315.22	400.00	1.10	-0.70	327.39	1.30
500.00	0.57	277.20	500.00	1.32	-1.35	314.25	1.89
600.00	0.78	256.44	599.99	1.22	-2.51	295.96	2.79
700.00	1.17	218.73	699.97	0.27	-3.81	273.99	3.82
800.00	1.53	202.96	799.95	-1.76	-4.97	250.50	5.27
900.00	1.73	197.12	899.91	-4.43	-5.93	233.25	7.41
1,000.00	1.79	197.75	999.86	-7.36	-6.85	222.96	10.06
1,100.00	1.73	199.55	1,099.81	-10.27	-7.84	217.34	12.92

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Well:	Gaucho 21 Federal #1	**North Reference:**	Grid
Wellbore:	VH - Job #32K0712838	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #32K0712838	**Database:**	EDM-Regulatory

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.00	1.85	197.60	1,199.76	-13.23	-8.83	213.71	15.91
1,300.00	1.77	197.60	1,299.71	-16.24	-9.78	211.06	18.96
1,400.00	1.91	197.67	1,399.66	-19.30	-10.76	209.13	22.10
1,500.00	1.95	196.51	1,499.61	-22.52	-11.75	207.54	25.40
1,600.00	2.09	195.61	1,599.54	-25.91	-12.72	206.15	28.86
1,700.00	1.99	196.70	1,699.48	-29.33	-13.71	205.05	32.38
1,800.00	1.99	194.93	1,799.42	-32.67	-14.66	204.16	35.81
1,900.00	2.04	194.22	1,899.36	-36.07	-15.54	203.31	39.28
2,000.00	2.12	194.13	1,999.29	-39.59	-16.43	202.54	42.87
2,100.00	2.11	194.83	2,099.22	-43.17	-17.35	201.90	46.52
2,200.00	1.92	189.86	2,199.16	-46.60	-18.11	201.24	49.99
2,300.00	1.69	185.25	2,299.11	-49.71	-18.53	200.44	53.06
2,400.00	1.43	178.29	2,399.07	-52.43	-18.63	199.56	55.64
2,500.00	1.44	180.11	2,499.04	-54.93	-18.60	198.70	58.00
2,600.00	1.43	176.78	2,599.01	-57.44	-18.53	197.88	60.35
2,700.00	1.00	136.06	2,698.99	-59.31	-17.85	196.75	61.94
2,800.00	1.08	114.60	2,798.98	-60.33	-16.39	195.20	62.52
2,900.00	1.15	111.49	2,898.96	-61.09	-14.60	193.44	62.81
3,000.00	1.20	108.14	2,998.94	-61.78	-12.67	191.59	63.07
3,100.00	1.43	95.39	3,098.91	-62.23	-10.43	189.52	63.10
3,200.00	1.44	93.20	3,198.88	-62.41	-7.94	187.25	62.92
3,300.00	1.53	91.22	3,298.84	-62.51	-5.35	184.89	62.74
3,400.00	1.59	92.16	3,398.81	-62.59	-2.63	182.40	62.65
3,500.00	1.56	92.17	3,498.77	-62.70	0.12	179.89	62.70
3,600.00	1.23	90.59	3,598.74	-62.76	2.55	177.67	62.81
3,700.00	1.16	90.66	3,698.72	-62.78	4.64	175.77	62.95
3,800.00	0.95	91.17	3,798.70	-62.81	6.48	174.11	63.15
3,900.00	0.80	91.02	3,898.69	-62.84	8.01	172.74	63.35
4,000.00	0.68	88.82	3,998.68	-62.84	9.30	171.58	63.53
4,100.00	0.62	90.64	4,098.67	-62.84	10.43	170.57	63.70
4,200.00	0.63	98.27	4,198.67	-62.92	11.52	169.63	63.97
4,300.00	0.43	59.24	4,298.66	-62.81	12.38	168.85	64.02
4,400.00	0.37	47.65	4,398.66	-62.40	12.95	168.28	63.73
4,500.00	0.38	45.30	4,498.66	-61.95	13.42	167.78	63.38
4,600.00	0.59	69.21	4,598.66	-61.53	14.14	167.06	63.13
4,700.00	0.70	75.62	4,698.65	-61.20	15.21	166.04	63.06
4,800.00	0.73	74.82	4,798.64	-60.88	16.42	164.91	63.05
4,900.00	0.73	81.16	4,898.63	-60.61	17.66	163.76	63.13
5,000.00	0.72	101.74	4,998.63	-60.64	18.91	162.69	63.52
5,100.00	0.71	115.25	5,098.62	-61.04	20.08	161.79	64.25
5,200.00	0.58	112.87	5,198.61	-61.50	21.11	161.06	65.02
5,300.00	0.50	114.50	5,298.61	-61.87	21.97	160.45	65.66
5,400.00	0.38	121.46	5,398.60	-62.23	22.65	160.00	66.22
5,500.00	0.29	134.22	5,498.60	-62.58	23.12	159.73	66.71

Company:	DEVON ENERGY	**Local Co-ordinate Reference:**	Well Gaucho 21 Federal #1
Project:	Ojo Chiso Morrow	**TVD Reference:**	WELL @ 0.00usft (Original Well Elev)
Site:	Lea County, NM	**MD Reference:**	WELL @ 0.00usft (Original Well Elev)
Well:	Gaucho 21 Federal #1	**North Reference:**	Grid
Wellbore:	VH - Job #32K0712838	**Survey Calculation Method:**	Minimum Curvature
Design:	VH - Job #32K0712838	**Database:**	EDM-Regulatory

Survey

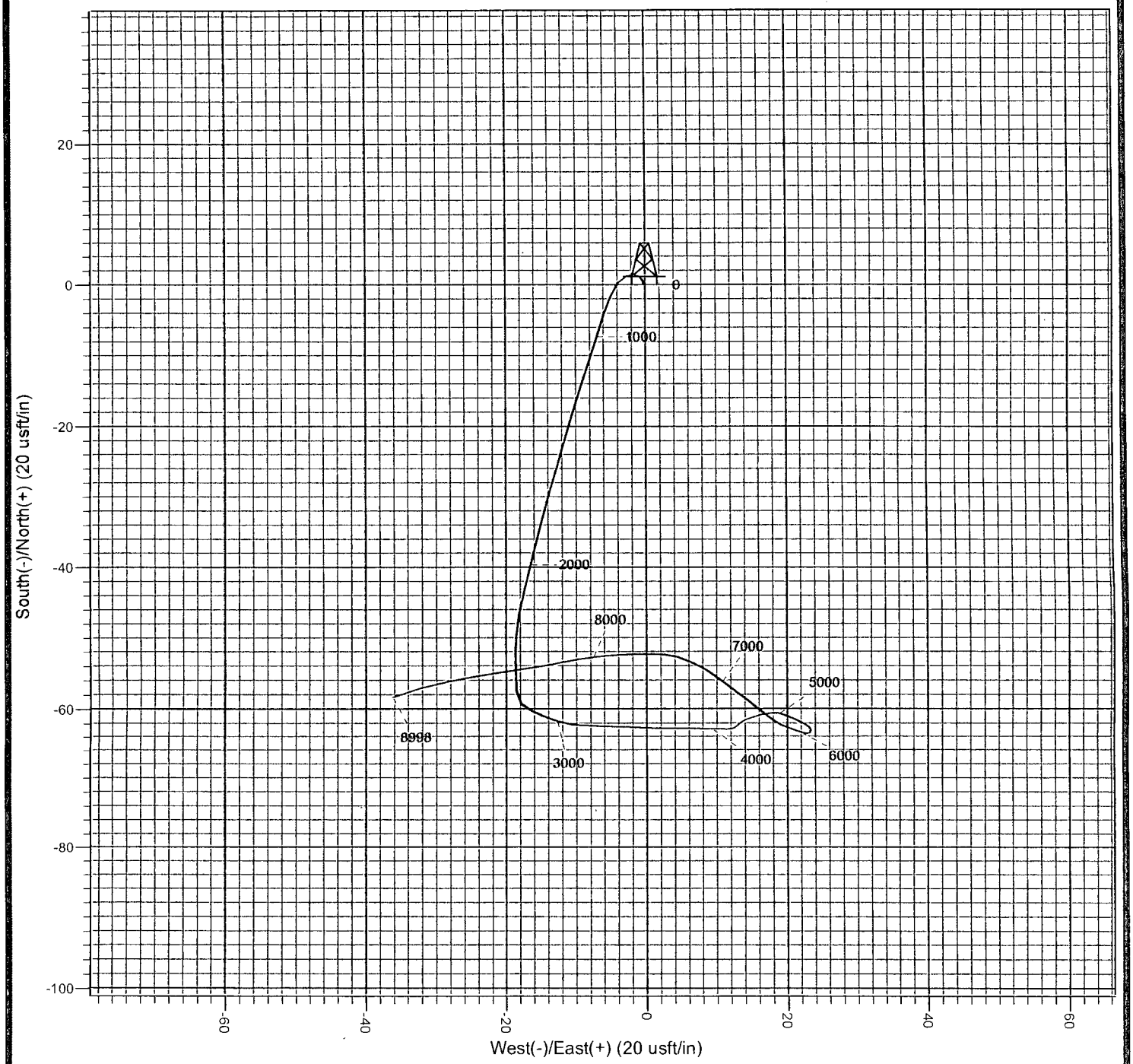
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.00	0.20	159.43	5,598.60	-62.92	23.36	159.63	67.11
5,700.00	0.18	194.88	5,698.60	-63.23	23.38	159.71	67.42
5,800.00	0.17	208.82	5,798.60	-63.51	23.27	159.88	67.64
5,900.00	0.43	274.71	5,898.60	-63.61	22.82	160.26	67.58
6,000.00	0.54	291.02	5,998.60	-63.41	22.01	160.86	67.12
6,100.00	0.53	293.74	6,098.59	-63.06	21.14	161.46	66.51
6,200.00	0.60	288.14	6,198.59	-62.71	20.22	162.13	65.89
6,300.00	0.63	294.65	6,298.58	-62.32	19.23	162.85	65.22
6,400.00	0.71	304.99	6,398.57	-61.73	18.22	163.56	64.37
6,500.00	0.88	305.75	6,498.56	-60.93	17.09	164.33	63.28
6,600.00	0.88	310.68	6,598.55	-59.98	15.88	165.17	62.05
6,700.00	0.90	307.88	6,698.54	-59.00	14.68	166.03	60.80
6,800.00	0.89	307.10	6,798.53	-58.05	13.44	166.96	59.58
6,900.00	0.92	305.45	6,898.52	-57.11	12.17	167.97	58.39
7,000.00	0.99	306.16	6,998.50	-56.14	10.82	169.09	57.17
7,100.00	1.00	303.45	7,098.49	-55.15	9.39	170.34	55.94
7,200.00	1.02	299.37	7,198.47	-54.23	7.89	171.72	54.80
7,300.00	1.06	294.46	7,298.46	-53.41	6.27	173.31	53.78
7,400.00	1.09	287.56	7,398.44	-52.74	4.52	175.10	52.93
7,500.00	1.11	272.07	7,498.42	-52.42	2.65	177.11	52.48
7,600.00	1.15	270.91	7,598.40	-52.37	0.67	179.26	52.37
7,700.00	1.14	268.94	7,698.38	-52.37	-1.32	181.45	52.39
7,800.00	1.17	267.50	7,798.36	-52.43	-3.34	183.64	52.54
7,900.00	1.19	265.96	7,898.34	-52.55	-5.39	185.86	52.83
8,000.00	1.17	264.24	7,998.32	-52.72	-7.45	188.04	53.25
8,100.00	1.13	259.10	8,098.30	-53.01	-9.43	190.09	53.85
8,200.00	1.16	259.44	8,198.28	-53.39	-11.39	192.05	54.59
8,300.00	1.20	258.75	8,298.26	-53.78	-13.41	194.01	55.42
8,400.00	1.24	259.58	8,398.23	-54.18	-15.51	195.97	56.35
8,500.00	1.46	264.07	8,498.21	-54.50	-17.84	198.12	57.35
8,600.00	1.95	261.94	8,598.16	-54.87	-20.79	200.75	58.68
8,700.00	2.18	259.79	8,698.10	-55.45	-24.35	203.70	60.56
8,800.00	2.26	259.90	8,798.02	-56.13	-28.16	206.64	62.80
8,900.00	2.35	253.62	8,897.94	-57.06	-32.07	209.34	65.45
9,000.00	2.55	250.07	8,997.85	-58.39	-36.13	211.74	68.66

Scientific Drilling

Project: Ojo Chiso Morrow
Lea County, NM
Well: Gaucho 21 Federal #1
Wellbore: VH - Job #32K0712838
Design: VH - Job #32K0712838

WELL DETAILS: Gaucho 21 Federal #1
WELL @ 0.00usft (Original Well Elev)
Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	501188.12	763141.99	32° 22' 30.000 N	103° 28' 51.600 W	



PROJECT DETAILS: Ojo Chiso Morrow
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Lea County, NM
Site Centre Latitude: 32° 22' 30.000 N
Longitude: 103° 28' 51.600 W
Positional Uncertainity: 0.00
Convergence: 0.46
Local North: Grid