

(October 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. Div-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0137
Expires: December 31, 1991

File

SUBMIT ORIGINAL WITH 5 COPIES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL ☒ WELL GAS ☐ WELL DRY ☐ OTHER ☐

1b. Type of Completion: NEW ☒ WELL WORK ☐ OVER DEEPE ☐ N PLUG ☐ BACK DIFF. ☐ RESVR. OTHER ☐

2. Name of Operator

CHEVRON USA INC

3. Address and Telephone No.

15 SMITH ROAD, MIDLAND, TX 79705

4. Location of Well (Report location clearly and in accordance with any State requirements)

At Surface

Unit Letter A : 950' Feet From The NORTH Line and 660' Feet From The EAST Line

At proposed prod. zone

At Total Depth

14. Permit No.

Date Issued

12. County or Parish

13. State

EDDY

NM

15. Date Spudded

3/23/2002

16. Date T.D. Reached

4/14/2002

17. Date Compl. (Ready to Prod.)

4/25/2002

18. Elevations (Show whether DF, RT, GR, etc.)

3084'

19. Elev. Casinhead

20. Total Depth, MD & TVD

7420'

21. Plug Back T.D., MD & TVD

7372'

22. If Multiple Compl., How Many*

23. Intervals Rotary Tools

Drilled By -->

CableTools

24. Producing Interval(s), Of This Completion - Top, Bottom, Name (MD and TVD)*

7202-7264' BRUSHY CANYON

25. Was Directional Survey Made

YES

26. Type Electric and Other Logs Run

BHC/SONIC, TDD/CNL/AIT/GR, CNL/GR

27. Was Well Cored

YES

28. CASING RECORD (Report all Strings set in well)

CASING SIZE & GRADE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
16"	65#	455'	17 7/8"	700 SX	
11 3/4"	42#	3350'	14 3/4"	3295 SX	
5 1/2"	17#	7420'	7 7/8"	2440 SX	

29.

LINER RECORD

30.

TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8"	7331'	

31. Perforation record (interval, size, and number)

7202-7264'

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7202-7264'	ACIDIZE W/2000 GALS 7.5% NEFE HCL
	FRAC W/44,000 GALS YF135 GEL &
	146,000# SAND

33.

PRODUCTION

Date First Production 5/23/2002		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2.5-2.0 RHBC 24-4							Well Status (Prod. or Shut-in) PROD	
Date of Test 5-23-02	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 40	Gas - MCF 95	Water - Bbl. 293	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)				

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

SOLD

Test Witnessed By

35. List of Attachments

NOTARIZED DEVIATIONS

36. I hereby certify that the foregoing is true and correct

SIGNATURE

Denise Leake

TITLE

Regulatory Specialist

DATE

7/3/2002

TYPE OR PRINT NAME

Denise Leake

Permuda Basin 19" Std #4

37. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
BELL CANYON	3355'	4140'	SAND			
CHERRY CANYON	4140'	5455'	SAND			
BRUSHY CANYON	5455'	7025'	SAND			
LOWER BRUSHY C	7025'	7124'	SAND			
BONE SPRING LIM	7124'	7425'	LIME			



KEY ENERGY DRILLING, INC.
6 Desta Drive
Suite 4400
Midland, Texas 79705
Phone 915-570-0494
Fax 915-570-0465

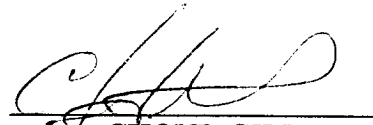
To: Whom It May Concern:

RE: STATE OF NEW MEXICO
OIL AND GAS DIVISION
INCLINATION REPORT

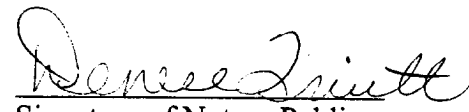
Lease Name: REMUDA BASIN 19 FEDERAL
Well Number: #4
County/State: EDDY COUNTY, NEW MEXICO
Operator: CHEVRON/TEXACO
Address: 5 SMITH ROAD
Address: MIDLAND, TEXAS 79705
Location:

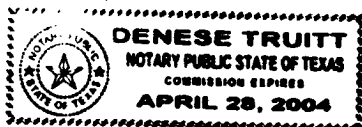
I, **CHOYR GILBERT**, Contract Manager for Key Energy Drilling, Inc., 6 Desta Drive, Suite 4400, Midland, TX 79705, declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct, and complete to the best of my knowledge.

Sworn to and Subscribed Before Me by the said


CHOYR GILBERT
Contract Manager

This the 5th day of June, 2002


Signature of Notary Public
In and for the State of Texas



DENESE TRUITT
Print Name of Notary Public

INCLINATION REPORT

LOCATION

SIGNATURE OF AUTHORIZED REPRESENTATIVE 	NAME OF COMPANY KEY ENERGY DRILLING, INC.
NAME OF PERSON AND TITLE CHOYR GILBERT - CONTRACT MANAGER	TELEPHONE NUMBER (915) 570-0494

**STATE OF NEW MEXICO
OIL AND GAS DIVISION**

INCLINATION REPORT

FIELD NAME	LEASE NAME REMUDA BASIN 19 FEDERAL	WELL NUMBER #4
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OPERATOR CHEVRON/TEXACO	COUNTY EDDY
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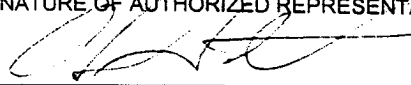
ADDRESS 5 SMITH ROAD; MIDLAND, TEXAS 76705
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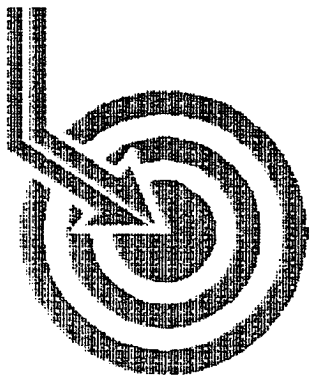
LOCATION

RECORD OF INCLINATION

MEASURED DEPTH FEET	COURSE LENGTH HUNDREDS OF FEET	ANGLE OF INCLINATION DEGREE	DISPLACEMENT PER HUNDRED FEET	COURSE DISPLACEMENT FEET	ACCUMULATIVE DISPLACEMENT
735	7.35	1.000	1.75	12.83	12.83
1086	3.51	1.250	2.18	7.66	20.48
1430	3.44	1.250	2.18	7.50	27.99
1775	3.45	1.250	2.18	7.53	35.51
2119	3.44	1.000	1.75	6.00	41.52
2339	2.20	1.000	1.75	3.84	45.36
2589	2.50	0.750	1.31	3.27	48.63
2933	3.44	1.750	3.05	10.51	59.14
3193	2.60	3.000	5.23	13.61	72.74
3350	1.57	3.000	5.23	8.22	80.96
4761	14.11	16.600	28.57	403.11	484.07
5280	5.19	15.800	27.23	141.31	625.38
5542	2.62	15.200	26.22	68.69	694.07
5604	0.62	15.500	26.72	16.57	710.64
5746	1.42	17.100	29.40	41.75	752.40
5855	1.09	15.500	26.72	29.13	781.52
5949	0.94	17.400	29.90	28.11	809.63
6012	0.63	16.500	28.40	17.89	827.53
6137	1.25	16.500	28.40	35.50	863.03
6199	0.62	16.300	28.07	17.40	880.43
6607	4.08	12.000	20.79	84.83	965.26
6952	3.45	3.100	5.41	18.66	983.92
7045	0.93	0.900	1.57	1.46	985.38
7428	3.83	0.900	1.57	6.02	991.39
	-74.28		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39
	0.00		0.00	0.00	991.39

THIS INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF AUTHORIZED REPRESENTATIVE 	NAME OF COMPANY KEY ENERGY DRILLING, INC.
NAME OF PERSON AND TITLE CHOYR GILBERT - CONTRACT MANAGER	TELEPHONE NUMBER (915) 570-0494

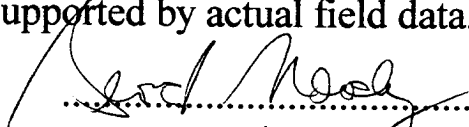


Scientific Drilling

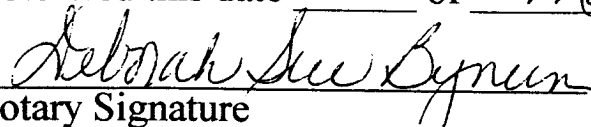
CHEVRONTEXACO

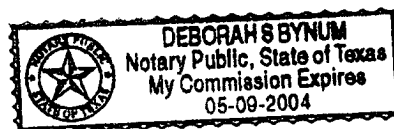
Field: Brushy Canyon
Site: Eddy County, NM
Well: Remuda Basin 19 Fed. #4
Wellpath: DH - Job #32D0402114
Survey: 4/03/02-4/12/02

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

.....Company Representative

Notorized this date 30th of May, 2002.


Notary Signature
County of Midland
State of Texas



Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO Field: Brushy Canyon Site: Eddy County, NM Well: Remuda Basin 19 Fed. #4 Wellpath: VH - Job #32K0402119	Date: 5/30/2002 Co-ordinate(NE) Reference: Site: Eddy County, NM, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Well (0.0E,0.0N,180.0Azi) Survey Calculation Method: Minimum Curvature	Page: 1
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Survey: 4/3/02 KSRG 0'-3385'	Start Date: 5/30/2002 Engineer: Angel Guebara
Company: Scientific Drilling Internatio Tool: Keeper	

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.51	89.62	100.0	0.0	0.0	0.4	0.4	89.62	0.51
200.0	0.45	85.18	200.0	0.0	0.0	1.3	1.3	88.26	0.07
300.0	0.26	127.99	300.0	0.1	-0.1	1.9	1.9	92.10	0.31
400.0	0.38	144.26	400.0	0.5	-0.5	2.2	2.3	102.09	0.15
500.0	0.30	178.74	500.0	1.0	-1.0	2.4	2.6	112.57	0.22
600.0	0.29	150.75	600.0	1.5	-1.5	2.6	3.0	120.27	0.14
700.0	0.48	155.83	700.0	2.1	-2.1	2.8	3.5	126.31	0.19
800.0	0.32	115.53	800.0	2.6	-2.6	3.3	4.2	128.43	0.31
900.0	0.62	136.83	900.0	3.1	-3.1	3.9	5.0	128.62	0.34
1000.0	0.48	143.36	1000.0	3.8	-3.8	4.5	5.9	130.40	0.15
1100.0	0.57	140.07	1100.0	4.6	-4.6	5.1	6.8	131.89	0.09
1200.0	0.81	157.89	1200.0	5.6	-5.6	5.7	8.0	134.63	0.32
1300.0	0.92	167.05	1300.0	7.0	-7.0	6.1	9.3	138.99	0.18
1400.0	0.89	178.75	1399.9	8.6	-8.6	6.3	10.7	143.70	0.19
1500.0	0.91	184.91	1499.9	10.2	-10.2	6.3	11.9	148.36	0.10
1600.0	0.89	183.21	1599.9	11.7	-11.7	6.1	13.2	152.33	0.03
1700.0	0.87	187.23	1699.9	13.3	-13.3	6.0	14.6	155.61	0.06
1800.0	0.94	195.61	1799.9	14.8	-14.8	5.7	15.9	158.95	0.15
1900.0	0.67	220.24	1899.9	16.0	-16.0	5.1	16.8	162.37	0.43
2000.0	0.72	239.33	1999.9	16.8	-16.8	4.2	17.3	166.04	0.24
2100.0	0.26	250.74	2099.9	17.2	-17.2	3.4	17.5	168.74	0.47
2200.0	1.18	268.94	2199.9	17.3	-17.3	2.2	17.4	172.82	0.94
2300.0	1.18	264.79	2299.8	17.4	-17.4	0.1	17.4	179.59	0.09
2400.0	1.14	260.74	2399.8	17.7	-17.7	-1.9	17.8	186.09	0.09
2500.0	1.09	248.33	2499.8	18.2	-18.2	-3.7	18.5	191.66	0.25
2600.0	0.73	191.67	2599.8	19.1	-19.1	-4.8	19.7	193.97	0.92
2700.0	1.32	155.38	2699.8	20.8	-20.8	-4.4	21.3	191.97	0.85
2800.0	1.65	155.53	2799.7	23.2	-23.2	-3.3	23.4	188.19	0.33
2900.0	1.73	142.21	2899.7	25.7	-25.7	-1.8	25.7	184.04	0.40
3000.0	2.29	142.25	2999.6	28.4	-28.4	0.3	28.4	179.33	0.56
3100.0	2.61	140.51	3099.5	31.8	-31.8	3.0	31.9	174.60	0.33
3200.0	2.47	145.28	3199.4	35.3	-35.3	5.7	35.8	170.86	0.25
3300.0	2.09	148.20	3299.4	38.6	-38.6	7.9	39.4	168.49	0.40
3385.0	1.78	149.69	3384.3	41.1	-41.1	9.4	42.1	167.18	0.37

Scientific Drilling International

Survey Report

Company: CHEVRONTEXACO Field: Brushy Canyon Site: Eddy County, NM Well: Remuda Basin 19 Fed. #4 Wellpath: DH - Job #32D0402114	Date: 5/30/2002 Co-ordinate(NE) Reference: Site: Eddy County, NM, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Well (0.0E,0.0N,180.0Azi) Survey Calculation Method: Minimum Curvature	Page: 1
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Survey: 4/03/02-4/12/02 S/T 3477'-7100'	Start Date: 5/30/2002
Company: Scientific Drilling Internatio Tool: Steering Tool	Engineer: Jimmy Sutton

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
3385.0	1.78	149.69	3384.3	41.1	-41.1	9.4	42.1	167.18	0.00
3477.0	2.20	154.80	3476.3	43.9	-43.9	10.8	45.2	166.15	0.50
3540.0	2.70	160.70	3539.2	46.4	-46.4	11.8	47.9	165.70	0.89
3570.0	3.10	160.70	3569.2	47.8	-47.8	12.3	49.4	165.55	1.33
3632.0	4.40	164.50	3631.0	51.7	-51.7	13.5	53.5	165.35	2.13
3726.0	6.20	167.30	3724.6	60.1	-60.1	15.6	62.1	165.46	1.93
3789.0	7.20	166.50	3787.2	67.3	-67.3	17.3	69.5	165.61	1.59
3883.0	9.30	169.40	3880.2	80.5	-80.5	20.0	83.0	166.02	2.28
3977.0	11.20	170.70	3972.7	97.0	-97.0	22.9	99.6	166.70	2.04
4071.0	13.20	173.10	4064.6	116.6	-116.6	25.7	119.4	167.58	2.19
4165.0	15.20	175.10	4155.7	139.6	-139.6	28.0	142.4	168.65	2.19
4228.0	16.40	177.10	4216.3	156.7	-156.7	29.2	159.4	169.45	2.09
4291.0	16.80	177.50	4276.7	174.7	-174.7	30.0	177.2	170.25	0.66
4384.0	16.90	176.50	4365.7	201.6	-201.6	31.4	204.0	171.14	0.33
4480.0	17.10	177.30	4457.5	229.6	-229.6	33.0	232.0	171.83	0.32
4605.0	17.60	177.70	4576.8	266.9	-266.9	34.6	269.1	172.62	0.41
4761.0	16.60	178.90	4725.9	312.7	-312.7	36.0	314.8	173.44	0.68
4855.0	16.30	175.70	4816.1	339.3	-339.3	37.2	341.3	173.74	1.02
4949.0	15.10	181.50	4906.6	364.7	-364.7	37.9	366.6	174.07	2.10
5042.0	14.40	186.70	4996.5	388.3	-388.3	36.2	390.0	174.67	1.61
5103.0	14.80	186.80	5055.6	403.5	-403.5	34.4	405.0	175.13	0.66
5168.0	14.50	186.70	5118.4	419.9	-419.9	32.5	421.1	175.58	0.46
5260.0	15.80	187.70	5207.2	443.7	-443.7	29.4	444.7	176.20	1.44
5354.0	15.50	185.90	5297.8	468.9	-468.9	26.4	469.6	176.77	0.61
5448.0	15.20	184.30	5388.4	493.7	-493.7	24.2	494.3	177.19	0.55
5542.0	15.20	185.30	5479.1	518.2	-518.2	22.2	518.7	177.55	0.28
5604.0	15.50	185.00	5538.9	534.6	-534.6	20.7	535.0	177.78	0.50
5746.0	17.10	188.20	5675.2	574.2	-574.2	16.1	574.4	178.40	1.29
5855.0	15.50	186.30	5779.8	604.5	-604.5	12.2	604.6	178.85	1.55
5949.0	17.40	188.10	5870.0	630.9	-630.9	8.8	631.0	179.20	2.09
6012.0	16.50	187.30	5930.2	649.1	-649.1	6.3	649.1	179.44	1.48
6137.0	16.50	188.00	6050.1	684.3	-684.3	1.6	684.3	179.86	0.16
6199.0	16.30	187.00	6109.5	701.6	-701.6	-0.7	701.6	180.05	0.56
6325.0	16.30	180.50	6230.5	736.9	-736.9	-3.0	736.9	180.23	1.45
6387.0	16.10	178.00	6290.0	754.2	-754.2	-2.8	754.2	180.21	1.17
6450.0	14.50	177.20	6350.8	770.8	-770.8	-2.1	770.8	180.15	2.56
6544.0	13.20	174.80	6442.1	793.2	-793.2	-0.5	793.2	180.04	1.51
6607.0	12.00	173.00	6503.5	806.9	-806.9	0.9	806.9	179.93	2.00
6701.0	10.50	172.20	6595.7	825.1	-825.1	3.3	825.1	179.77	1.60
6858.0	6.60	180.30	6751.0	848.3	-848.3	5.2	848.3	179.65	2.59
6952.0	3.10	186.20	6844.6	856.2	-856.2	4.9	856.2	179.67	3.76
7045.0	0.90	153.00	6937.6	859.4	-859.4	4.9	859.4	179.67	2.58
7070.0	0.80	140.00	6962.6	859.7	-859.7	5.1	859.7	179.66	0.87
7100.0	0.80	140.00	6992.6	860.0	-860.0	5.4	860.0	179.64	0.00

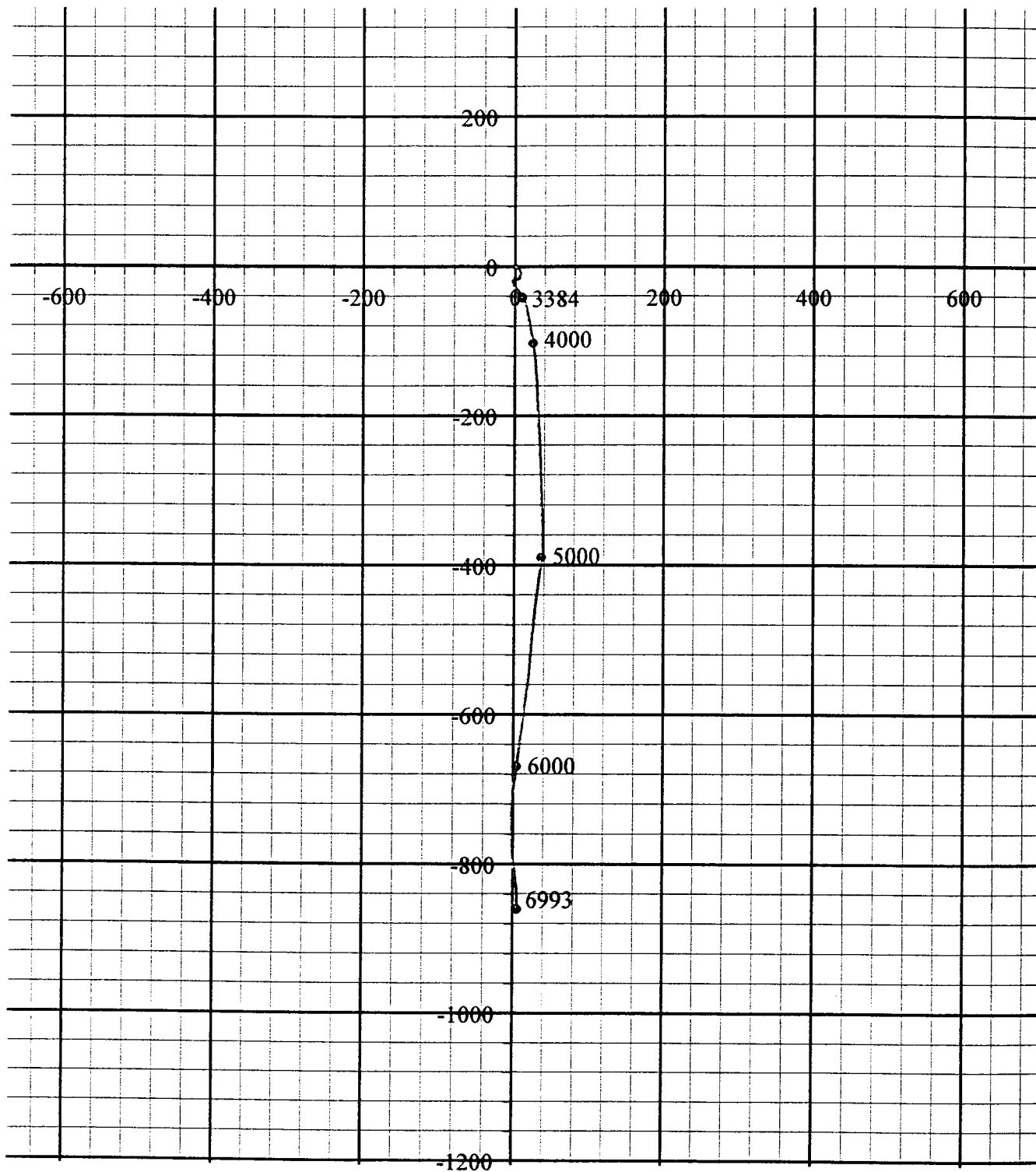


Scientific
Drilling

Field: Brushy Canyon
Site: Eddy County, NM
Well: Remuda Basin 19 Fed. #4
Wellpath: DH - Job #32D0402114
Survey: 4/03/02-4/12/02

I/M
All Angles Relative
To True North
True North: 0.00
Magnetic North: 0.00

South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]