

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EnRe Corporation

3. Address and Telephone No.

4940 Broadway, #200
San Antonio, TX 78209

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

Section 22-T28N-R1W
1,830' FWL & 1,940' FSL (Surface)

Ampolex (USA), Inc. - AGENT

1050 17th St., Suite #2500
Denver, CO 80265

(303) 595-9000

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Cedar Canyon 22K #1

9. API Well No.

10. Field and Pool, or Exploratory Area

Boulder-Manco

11. County or Parish, State

Rio Arriba, New Mexico

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Deviate to Vertical
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Wellbore deviation reached 10° N 78 E at 3,189' KB.
2. Used directional drilling tools to bring wellbore to vertical to reach 7-5/8" intermediate casing point @ 6,550'.
3. Drilled 6-3/4" hole to 7,300'. Stuck drill string.
4. Set 200 sk cement plug from 6,410' - 6,724' to sidetrack.
5. Sidetrack attempt unsuccessful - drilled into original hole and drilled along side of fish to 7,300'.
6. Ran 5-1/2" liner to 7,110' (Unable to get any deeper).

RECEIVED
JAN 11 1996

OIL CON. DIV.

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

Signed

Robert C. Arceneaux

Robert C. Arceneaux - AGENT
Senior Petroleum Engineer

Date 08/January/1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Halliburton Drilling Systems

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Survey Report

Date: 12/7/95
Time: 4:29 pm
Wellpath ID: CEDAR CANYON #22-K
Date Created: 11/27/95
Last Revision: 12/5/95

Calculated using the Minimum Curvature Method
Computed using WIN-CADDS REV2.1.B
Vertical Section Plane: N 75.91 E

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

AMPOLEX USA, INC.
RIO ARRIBA COUNTY, NM
RIO ARRIBA COUNTY, NM
CEDAR CANYON #22-K
SURVEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	Build Rate (dg/100ft)	T O T A L Rectangular Offsets (ft)		DLS (dg/100ft)
0.00	0.00	N 0.00 E	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00
SINGLE SHOT SURVEYS									
172.00	1.00	N 62.00 E	172.00	171.99	1.46	0.58	0.70 N	1.33 E	0.58
295.00	0.75	N 62.00 E	123.00	294.98	3.28	-0.20	1.59 N	2.98 E	0.20
459.00	1.75	N 62.00 E	164.00	458.94	6.75	0.61	3.27 N	6.14 E	0.61
714.00	2.00	N 62.00 E	255.00	713.80	14.85	0.10	7.18 N	13.51 E	0.10
988.00	2.50	N 85.00 E	274.00	987.59	25.39	0.18	9.95 N	23.68 E	0.37
1263.00	3.50	N 78.00 E	275.00	1262.21	39.70	0.36	12.22 N	37.87 E	0.39
1514.00	3.50	N 80.00 E	251.00	1512.74	55.00	0.00	15.14 N	52.91 E	0.05
1761.00	4.25	N 85.00 E	247.00	1759.18	71.56	0.30	17.25 N	69.45 E	0.33
2008.00	5.00	N 86.00 E	247.00	2005.37	91.20	0.30	18.80 N	89.31 E	0.31
2256.00	6.00	N 87.00 E	248.00	2252.23	114.56	0.40	20.23 N	113.03 E	0.41
2509.00	6.50	N 83.00 E	253.00	2503.72	141.74	0.20	22.66 N	140.45 E	0.26
2758.00	7.75	N 78.00 E	249.00	2750.80	172.51	0.50	27.87 N	170.86 E	0.56
3003.00	9.50	N 78.00 E	245.00	2993.02	209.23	0.71	35.51 N	206.80 E	0.71
3096.00	9.25	N 78.00 E	93.00	3084.78	224.36	-0.27	38.66 N	221.62 E	0.27
3189.00	10.00	N 78.00 E	93.00	3176.47	239.90	0.81	41.89 N	236.83 E	0.81
START MWD SURVEYS									
3251.00	10.50	N 79.60 E	62.00	3237.48	250.92	0.81	44.03 N	247.65 E	0.93
BHA #1, 1-1/2" BH MOTOR W/ 1" BS, IN @ 3275'									
3281.00	10.40	N 78.40 E	30.00	3266.98	256.35	-0.33	45.07 N	252.99 E	0.80
3312.00	9.90	N 76.50 E	31.00	3297.49	261.81	-1.61	46.26 N	258.32 E	1.94
3343.00	9.80	N 75.30 E	31.00	3328.04	267.12	-0.32	47.55 N	263.47 E	0.74
3374.00	9.60	N 75.00 E	31.00	3358.59	272.34	-0.65	48.89 N	268.52 E	0.67
3406.00	9.70	N 72.30 E	32.00	3390.14	277.70	0.31	50.40 N	273.66 E	1.45
3437.00	9.80	N 72.20 E	31.00	3420.69	282.94	0.32	52.00 N	278.66 E	0.33
3469.00	9.50	N 74.10 E	32.00	3452.24	288.29	-0.94	53.55 N	283.79 E	1.37
3501.00	8.40	N 71.50 E	32.00	3483.85	293.26	-3.44	55.02 N	288.55 E	3.66
3532.00	7.60	N 70.00 E	31.00	3514.55	297.56	-2.58	56.44 N	292.62 E	2.67
3564.00	7.30	N 68.40 E	32.00	3546.28	301.68	-0.94	57.91 N	296.50 E	1.14



HALLIBURTON

POST WELL SUMMARY

From October 30, 1995 To November 19, 1995

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Date: 12/7/95
Time: 4:29 pm

Job No.:
Operator: AMPOLEX, USA
Field: RIO ARRIBA CO, NM
Well: CEDAR CANYON #22-K

APE No.:
Location: SEC. 22-T28N-R21W
MWD Operator(s): D. SPAUGH
Dir'l Driller(s): R. WELCH

FOOTAGE DRILLED		DRILLING HOURS		AVERAGE ROP		DRILLING AVERAGE		DRILLING AVERAGE		HRS/DAY	
DRILLED	HOURS	DRILLED	HOURS	DRILLED	HOURS	DRILLED	HOURS	DRILLED	HOURS	DRILLED	HOURS
3254.00	270.00	12.05	20.88	155.82	12.93						

RUN NO.	BHA NO.	DEPTH IN	DEPTH OUT	ANGLE IN	ANGLE OUT	FOOTAGE DRILLED	DRILLING HOURS	AVERAGE ROP	ACTUAL BUILD	FLOW gpm	ON-BOTTOM MAX. psi	BH TEMP °F	MOTOR SERIAL NO.
1	1	3275.00	10.42	4013.00	1.99	738.00	54.00	13.67	-0.33	0	950	0.00	L76088
1	2	4013.00	1.99	4915.00	2.44	902.00	71.75	12.57	-2.10	0	950	0.00	L76088
1	3	4915.00	2.44	5383.00	1.80	468.00	44.75	10.46	-0.49	0	950	0.00	FS-76003
1	4	5384.00	1.78	5849.00	2.79	465.00	33.25	13.98	-2.35	0	950	0.00	L76088
1	5	5849.00	2.79	5940.00	5.17	91.00	11.50	7.91	2.77	0	950	0.00	L76192
1	6	5960.00	5.10	6220.00	3.78	260.00	28.50	9.12	-0.31	0	950	0.00	FS76006
1	7	6220.00	3.78	6550.00	0.40	330.00	26.25	12.57	3.21	0	950	0.00	L-76192

RUN NO.	BHA NO.	BIT SIZE(in)	BIT MODEL	BIT NOZZLES (#32nd)	MOTOR DESCRIPTION	STAB O.D.	DISTANCE CTR TO BIT	REASON FOR TRIP
1	1	9-7/8"	EHP43A	13 14 14	7-3/4" SLO-SPEED X 1.50" bend	---	---	NOTD - Not dropping enough
1	2	9-7/8"	EHP43A	13 14 14	7-3/4" SLO-SPEED X 1.50" bend	---	---	PR - Penetration rate
1	3	9-7/8"	HP-43A	13 14 14	7-3/4" SLO-SPEED X 1.50" bend	---	---	<undefined>
1	4	9-7/8"	EHP43A	13 14 14	7-3/4" SLO-SPEED X 1.50" bend	---	---	MP Motor performance
1	5	9-7/8"	EHP43A	13 14 14	7-3/4" SLO-SPEED X 1.50" bend	---	---	<undefined>
1	6	9-7/8"	HP-51A	13 13 13	7-3/4" SLO-SPEED X 1.75" bend	---	---	<undefined>
1	7	9-7/8"	ATJ-11	14 14 14	7-3/4" SLO-SPEED X 1.50" bend	---	---	<undefined>

RUN NO.	BHA NO.	SLIDE FTG	ROTATES FTG	SLIDE HRS	ROTATE HRS	SLIDE ROP	ROTATE ROP	COMMENTS
1	1	330.00	408.00	23.25	30.75	14.19	13.27	TO DROP ANGLE
1	2	280.00	622.00	24.75	47.00	11.31	13.23	DROP ANGLE TO VERT. TO CSG. POINT @ 6500'
1	3	102.00	366.00	15.75	29.00	6.48	12.62	TO HOLD VERT. TO CSG. POINT @ 6900'
1	4	186.00	279.00	18.75	14.50	9.92	19.24	TO HOLD VERT. TO T D @ 6000 OR 6100'
1	5	87.00	4.00	11.00	0.50	7.91	8.00	TO KEEP VERT. TO 6200'
1	6	127.00	133.00	17.50	11.00	7.26	12.09	TO DROP ANGLE TO T D @ 5200'
1	7	203.00	127.00	16.00	10.25	12.69	12.39	TO GET HOLE TO VERT. AND HOLD TO 6550'

POST WELL REPORT

AMPOLEX (USA) INC.

CEDAR CANYON #22-K
RIO ARriba COUNTY, NEW MEXICO
SEC. 22 - T28N - R21W

DECEMBER 5, 1995

PREPARED FOR: BOB ARCENEUX



Halliburton Drilling Systems

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Date: 12/7/95

Survey Report

Wellpath ID: CEDAR CANYON #22-K

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	Build Rate (dg/100ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)
3596.00	7.10	N 68.00 E	32.00	3578.03	305.66	-0.63	59.40 N	300.23 E	0.64
3626.00	6.90	N 68.00 E	30.00	3607.80	309.28	-0.67	60.77 N	303.62 E	0.67
3657.00	6.80	N 69.90 E	31.00	3638.58	312.95	-0.32	62.10 N	307.07 E	0.80
3689.00	6.10	N 69.80 E	32.00	3670.38	316.52	-2.19	63.34 N	310.44 E	2.19
3720.00	5.60	N 70.50 E	31.00	3701.22	319.67	-1.61	64.41 N	313.41 E	1.63
3752.00	5.00	N 65.30 E	32.00	3733.08	322.59	-1.87	65.51 N	316.15 E	2.40
3783.00	4.70	N 64.10 E	31.00	3763.97	325.16	-0.97	66.63 N	318.52 E	1.02
3814.00	4.30	N 60.10 E	31.00	3794.87	327.52	-1.29	67.77 N	320.67 E	1.64
3845.00	3.60	N 59.00 E	31.00	3825.80	329.57	-2.26	68.85 N	322.51 E	2.27
3877.00	3.30	N 58.00 E	32.00	3857.74	331.41	-0.94	69.85 N	324.16 E	0.96
3908.00	2.90	N 53.50 E	31.00	3888.70	332.98	-1.29	70.79 N	325.54 E	1.51
3940.00	2.30	N 50.70 E	32.00	3920.66	334.31	-1.88	71.68 N	326.69 E	1.92
3971.00	2.50	N 48.20 E	31.00	3951.64	335.47	0.65	72.52 N	327.68 E	0.73
4003.00	2.20	N 40.50 E	32.00	3983.61	336.59	-0.94	73.46 N	328.60 E	1.36
BHA #2, 1-1/2" BH MOTOR W/ 1" BS, IN @ 4013'									
4065.00	0.90	N 39.70 E	62.00	4045.59	337.96	-2.10	74.74 N	329.68 E	2.10
4096.00	1.00	N 58.30 E	31.00	4076.58	338.41	0.32	75.07 N	330.07 E	1.04
4126.00	1.40	N 82.30 E	30.00	4106.58	339.02	1.33	75.25 N	330.65 E	2.11
4157.00	1.50	N 73.70 E	31.00	4137.57	339.81	0.32	75.42 N	331.42 E	0.77
4189.00	1.20	N 47.80 E	32.00	4169.56	340.52	-0.94	75.76 N	332.07 E	2.10
4220.00	0.70	N 65.80 E	31.00	4200.55	340.99	-1.61	76.06 N	332.48 E	1.86
4251.00	0.20	S 41.70 E	31.00	4231.55	341.20	-1.61	76.09 N	332.69 E	2.15
4283.00	0.40	S 39.50 E	32.00	4263.55	341.28	0.63	75.96 N	332.80 E	0.63
4314.00	1.30	S 69.60 E	31.00	4294.55	341.61	2.90	75.76 N	333.19 E	3.14
4346.00	1.30	N 84.40 E	32.00	4326.54	342.27	0.00	75.67 N	333.90 E	1.83
4377.00	0.70	S 64.30 E	31.00	4357.54	342.77	-1.94	75.62 N	334.42 E	2.55
4408.00	0.80	S 82.80 E	31.00	4388.53	343.11	0.32	75.51 N	334.80 E	0.84
4437.00	1.70	S 69.90 E	29.00	4417.53	343.66	3.10	75.34 N	335.41 E	3.23
4469.00	1.80	S 75.70 E	32.00	4449.51	344.49	0.31	75.05 N	336.34 E	0.64
4499.00	1.00	S 59.00 E	30.00	4479.50	345.09	-2.67	74.80 N	337.02 E	2.97
4531.00	1.40	S 75.90 E	32.00	4511.49	345.63	1.25	74.56 N	337.64 E	1.66
4561.00	1.40	S 78.70 E	30.00	4541.49	346.29	0.00	74.40 N	338.35 E	0.23
4592.00	0.60	N 83.60 E	31.00	4572.48	346.79	-2.58	74.34 N	338.89 E	2.74
4624.00	0.60	N 68.70 E	32.00	4604.48	347.12	0.00	74.42 N	339.21 E	0.49
4655.00	0.90	S 68.70 E	31.00	4635.48	347.48	0.97	74.39 N	339.59 E	1.98
4685.00	1.10	N 57.40 E	30.00	4665.47	347.95	0.67	74.46 N	340.05 E	3.08
4716.00	1.30	S 86.70 E	31.00	4696.47	348.56	0.65	74.60 N	340.65 E	2.46
4747.00	1.80	N 71.00 E	31.00	4727.45	349.39	1.61	74.74 N	341.46 E	2.50
4778.00	1.50	N 37.80 E	31.00	4758.44	350.19	-0.97	75.22 N	342.17 E	3.18
4810.00	1.40	N 56.40 E	32.00	4790.43	350.89	-0.31	75.77 N	342.75 E	1.50
4842.00	1.90	N 37.50 E	32.00	4822.42	351.67	1.56	76.40 N	343.40 E	2.29
4873.00	2.50	N 44.00 E	31.00	4853.40	352.65	1.94	77.30 N	344.18 E	2.09

Halliburton Drilling Systems

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Date: 12/7/95

Survey Report

Wellpath ID: CEDAR CANYON #22-K

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	Build Rate (dg/100ft)	T O T A L Rectangular Offsets (ft)		DLS (dg/100ft)
4903.00	2.50	N 42.30 E	30.00	4883.37	353.75	0.00	78.25 N	345.08 E	0.25
BHA #3, 1-1/2" BH MOTOR W/ 1" BS, IN @ 4915'									
4934.00	2.40	N 27.40 E	31.00	4914.34	354.74	-0.32	79.33 N	345.83 E	2.07
4966.00	2.20	N 18.70 E	32.00	4946.31	355.52	-0.63	80.51 N	346.34 E	1.26
4997.00	1.90	N 18.70 E	31.00	4977.29	356.12	-0.97	81.56 N	346.69 E	0.97
5029.00	1.10	N 21.00 E	32.00	5009.28	356.58	-2.50	82.35 N	346.97 E	2.51
5059.00	0.60	N 19.70 W	30.00	5039.28	356.73	-1.67	82.76 N	347.02 E	2.51
5090.00	0.50	N 53.50 W	31.00	5070.28	356.63	-0.32	83.00 N	346.86 E	1.08
5121.00	0.40	N 63.50 W	31.00	5101.28	356.46	-0.32	83.12 N	346.66 E	0.41
5152.00	0.50	N 73.10 W	31.00	5132.28	356.26	0.32	83.21 N	346.43 E	0.40
5181.00	0.50	N 55.90 W	29.00	5161.28	356.07	0.00	83.32 N	346.20 E	0.52
5213.00	0.40	N 14.60 E	32.00	5193.27	356.03	-0.31	83.51 N	346.12 E	1.64
5244.00	0.90	N 41.90 E	31.00	5224.27	356.29	1.61	83.79 N	346.31 E	1.85
5273.00	1.10	N 44.10 E	29.00	5253.27	356.71	0.69	84.16 N	346.65 E	0.70
5304.00	1.20	N 48.50 E	31.00	5284.26	357.25	0.32	84.59 N	347.10 E	0.43
5336.00	1.50	N 57.20 E	32.00	5316.25	357.95	0.94	85.04 N	347.71 E	1.13
5366.00	2.20	N 55.30 E	30.00	5346.24	358.86	2.33	85.58 N	348.51 E	2.34
BHA #4, 1-1/2" BH MOTOR W/ 1" BS, IN @ 5384'									
5397.00	1.50	N 39.60 E	31.00	5377.22	359.74	-2.26	86.23 N	349.26 E	2.77
5428.00	1.00	N 53.10 E	31.00	5408.21	360.32	-1.61	86.71 N	349.73 E	1.86
5459.00	0.90	N 52.40 E	31.00	5439.21	360.79	-0.32	87.02 N	350.14 E	0.32
5490.00	0.50	N 8.40 W	31.00	5470.21	361.03	-1.29	87.30 N	350.31 E	2.54
5520.00	0.10	N 63.90 W	30.00	5500.21	361.02	-1.33	87.44 N	350.27 E	1.50
5552.00	0.30	N 61.10 E	32.00	5532.21	361.08	0.63	87.49 N	350.32 E	1.15
5584.00	0.80	N 84.70 E	32.00	5564.21	361.38	1.56	87.55 N	350.62 E	1.88
5615.00	1.60	N 79.40 E	31.00	5595.20	362.03	2.58	87.65 N	351.26 E	2.80
5647.00	1.20	N 54.20 E	32.00	5627.19	362.78	-1.25	87.93 N	351.97 E	2.27
5679.00	1.00	N 70.60 E	32.00	5659.18	363.37	-0.63	88.22 N	352.50 E	1.16
5709.00	1.40	N 87.60 E	30.00	5689.18	363.99	1.33	88.32 N	353.12 E	1.77
5741.00	1.90	S 74.70 E	32.00	5721.16	364.84	1.56	88.20 N	354.02 E	2.21
5772.00	2.10	N 89.70 E	31.00	5752.15	365.84	0.65	88.07 N	355.08 E	1.86
5803.00	2.50	S 81.80 E	31.00	5783.12	367.01	1.29	87.97 N	356.32 E	1.69
5835.00	2.40	N 80.20 E	32.00	5815.09	368.33	-0.31	87.99 N	357.67 E	2.41
BHA #5, 1-1/2" BH MOTOR W/ 1" BS, IN @ 5849'									
5866.00	3.30	N 66.70 E	31.00	5846.05	369.86	2.90	88.45 N	359.13 E	3.60
5897.00	4.70	N 68.70 E	31.00	5876.98	372.00	4.52	89.27 N	361.13 E	4.54
5929.00	5.20	N 72.20 E	32.00	5908.86	374.75	1.56	90.19 N	363.73 E	1.82
BHA #6, 1-3/4" BH MOTOR W/ 1" BS, IN @ 5940'									
5961.00	5.10	N 72.30 E	32.00	5940.73	377.61	-0.31	91.06 N	366.47 E	0.31
5992.00	4.40	N 76.20 E	31.00	5971.62	380.18	-2.26	91.76 N	368.94 E	2.49
6021.00	3.30	N 77.70 E	29.00	6000.56	382.12	-3.79	92.21 N	370.83 E	3.81
6052.00	2.90	N 81.00 E	31.00	6031.51	383.80	-1.29	92.52 N	372.48 E	1.41
6083.00	2.60	N 82.90 E	31.00	6062.48	385.28	-0.97	92.73 N	373.95 E	1.01

Halliburton Drilling Systems

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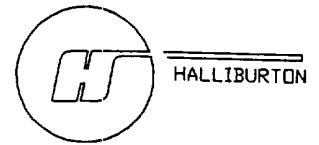
Date: 12/7/95

Survey Report

Wellpath ID: CEDAR CANYON #22-K

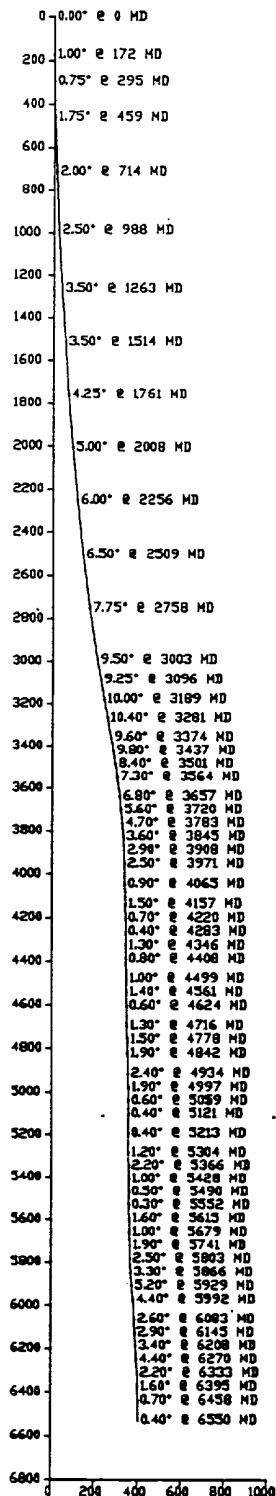
Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	Build Rate (dg/100ft)	T O T A L Rectangular Offsets (ft)		DLS (dg/100ft)
6113.00	2.60	N 87.70 E	30.00	6092.44	386.62	0.00	92.84 N	375.31 E	0.73
6145.00	2.90	N 81.00 E	32.00	6124.41	388.13	0.94	93.00 N	376.83 E	1.37
6160.00	3.00	N 82.70 E	15.00	6139.39	388.90	0.67	93.11 N	377.60 E	0.89
6208.00	3.40	N 81.10 E	48.00	6187.31	391.57	0.83	93.49 N	380.25 E	0.85
BHA #7, 1-1/2° BH MOTOR W/ 1° BS, IN @ 6220'									
6239.00	4.40	N 77.10 E	31.00	6218.24	393.67	3.23	93.89 N	382.31 E	3.34
6270.00	4.40	N 76.50 E	31.00	6249.15	396.05	0.00	94.44 N	384.63 E	0.15
6301.00	3.30	N 72.80 E	31.00	6280.08	398.13	-3.55	94.98 N	386.64 E	3.64
6333.00	2.20	N 65.50 E	32.00	6312.04	399.65	-3.44	95.50 N	388.08 E	3.60
6364.00	1.90	N 65.10 E	31.00	6343.02	400.74	-0.97	95.97 N	389.08 E	0.97
6395.00	1.60	N 45.90 E	31.00	6374.01	401.62	-0.97	96.49 N	389.86 E	2.11
6426.00	1.30	N 32.40 E	31.00	6405.00	402.25	-0.97	97.08 N	390.36 E	1.46
6458.00	0.70	N 26.40 E	32.00	6436.99	402.64	-1.87	97.56 N	390.64 E	1.90
6489.00	0.40	N 40.40 E	31.00	6467.99	402.85	-0.97	97.82 N	390.80 E	1.05
6510.00	0.40	N 40.60 E	21.00	6488.99	402.97	0.00	97.93 N	390.89 E	0.01
PROJECTED ANGLE AND AZIMUTH @ T.D. - 6550'									
6550.00	0.40	N 40.60 E	40.00	6528.99	403.20	0.00	98.14 N	391.07 E	0.00

AMPOLEX USA, INC.
RIO ARriba COUNTY, NM
RIO ARriba COUNTY, NM
CEDAR CANYON #22-K
SURVEY

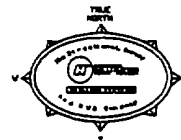
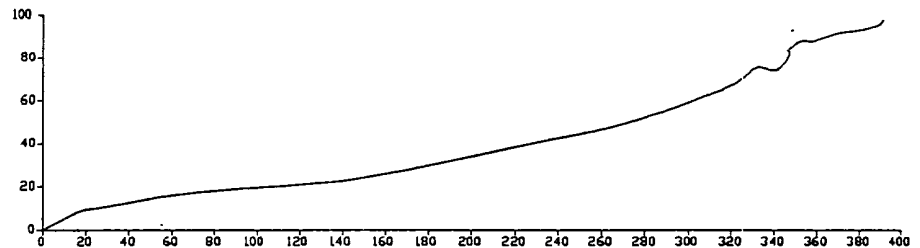


12/5/95 4:14 pm

VERTICAL VIEW
SCALE 200 Ft. / in.



HORIZONTAL VIEW
SCALE 20 Ft. / in.



BHL DATA	
TVD	6528.99
MD	6550.00
VS	403.20
N/S	98.14 N
E/W	391.07 E

VERTICAL SECTION PLANE: N 75.91 E

AMPOLEX INCORPORATED

Structure : SEC.22-T28N-R1W Well : #22-K, CEDAR CANYON

Field : RIO ARRIBA COUNTY

Location : NEW MEXICO

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	Deg/100
KOP	6631	1.27	40.60	6610	99	392	0.00
End of Build	6894	7.00	270.00	6872	101	377	3.00
Target	7300	7.00	270.00	7275	101	328	0.00

TRUE

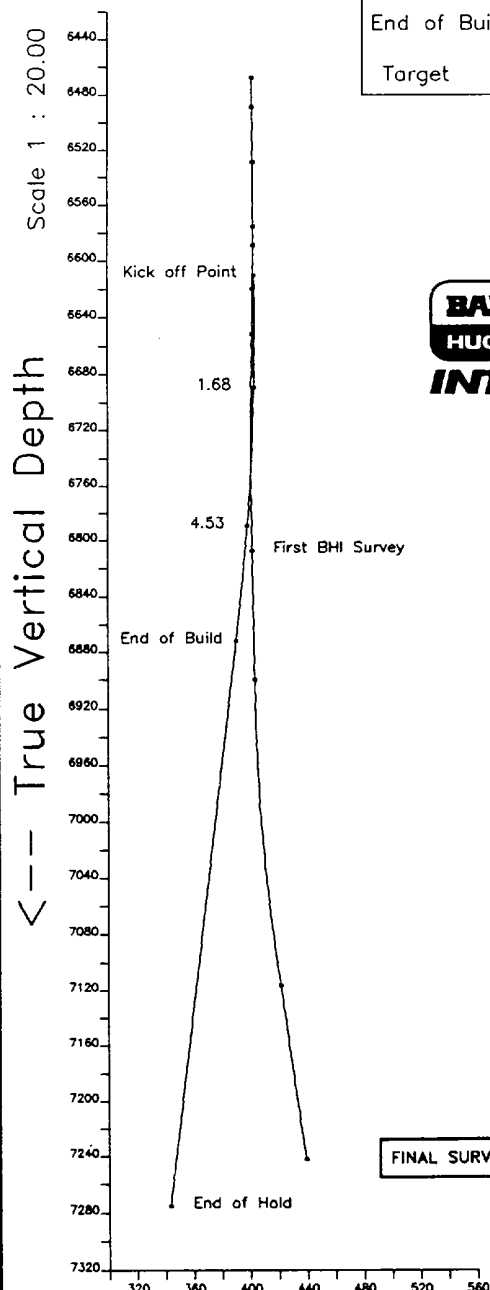


MAGNETIC
DECLINATION
11.3 DEG. EAST

East -->

Scale 1 : 5.00

310 320 330 340 350 360 370 380 390 400 410 420



FINAL SURVEY

Scale 1 : 5.00
North

Magnetic Interference
was a factor
in determining
Survey

FINAL SURVEY

-- Baker Hughes INTEQ --
DRAWN BY: WALLY HOLBROOK
DATE: Jan. 03, 1996
TVD REFERENCED WELLHEAD.
DENVER, COLORADO
PHONE: (303) 860-0509

AMPOLEX INCORPORATED
SEC.22-T28N-R1W

#22-K
SLOT #1
RIO ARriba COUNTY
NEW MEXICO

S U R V E Y L I S T I N G

by
Baker Hughes Inteq

Your ref : MWD Survey
Our ref : svy3556
License : CEDAR CANYON

Date printed : 3-Jan-96
Date created : 3-Jan-96
Last revised : 3-Jan-96

Field is centred on n36 0 0.000,w107 0 0
Structure is centred on n36 35 7.000,w106 57 30

Slot location is n36 35 7.000,w106 57 30.000
Slot Grid coordinates are N 2033023.456, E 292039.904
Slot local coordinates are 0.00 N 0.00 E
Reference North is True North

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect	
6489.00	0.40	40.40	6467.89	97.71 N	390.59 E	0.00	402.04	
6510.00	0.40	40.60	6488.89	97.82 N	390.68 E	0.01	402.16	
6550.00	0.40	40.60	6528.89	98.03 N	390.87 E	0.00	402.40	
6597.00	1.20	15.90	6575.88	98.63 N	391.11 E	1.82	402.81	
6610.00	1.00	351.30	6588.88	98.87 N	391.13 E	3.90	402.90	
6641.00	2.00	317.60	6619.87	99.54 N	390.72 E	4.17	402.71	
6673.00	3.30	316.20	6651.84	100.62 N	389.71 E	4.07	402.05	
6829.00	5.30	359.00	6807.42	111.07 N	386.47 E	2.34	402.04	First BHI Survey
6922.00	6.20	349.20	6899.96	120.29 N	385.46 E	1.43	403.79	
7140.00	8.60	66.50	7116.58	138.40 N	398.23 E	4.32	421.33	
7267.00	7.50	66.50	7242.33	145.49 N	414.54 E	0.87	439.00	

All data is in feet unless otherwise stated
Coordinates from SLOT #1 and TVD from wellhead.
Vertical section is from wellhead on azimuth 72.86 degrees.
Declination is 11.28 degrees, Convergence is -0.42 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes Inteq

AMPOLEX INCORPORATED
SEC.22-T28N-R1W,#22-K
RIO ARriba COUNTY,NEW MEXICO

SURVEY LISTING Page 2
Your ref : MWD Survey
Last revised : 3-Jan-96

Comments in wellpath

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MD	TVD	Rectangular Coords.	Comment
6829.00	6807.42	111.07 N 386.47 E	First BHI Survey

All data is in feet unless otherwise stated
Coordinates from SLOT #1 and TVD from wellhead.
Bottom hole distance is 439.33 on azimuth 70.66 degrees from wellhead.
Vertical section is from wellhead on azimuth 72.86 degrees.
Declination is 11.28 degrees, Convergence is -0.42 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes Inteq