

January 10, 1997
6:37 pm

PathTracker 4.0
Survey Calculation Program
January 6, 1997

Page 1 of 2

Customer: Texaco Exploration and Production Company, Inc.
WellName: Central Vacuum Unit # 175
Location: Lea County, New Mexico
Sec. 31, Ts 17-S, Rg 35-E
25 miles North West of Hobbs NM (BUCKEYE)

SUR 1617/5 & 1107/10
BHL 1958/5 & 1313/10
Unit L 31-17s-35e
3D-025-33722

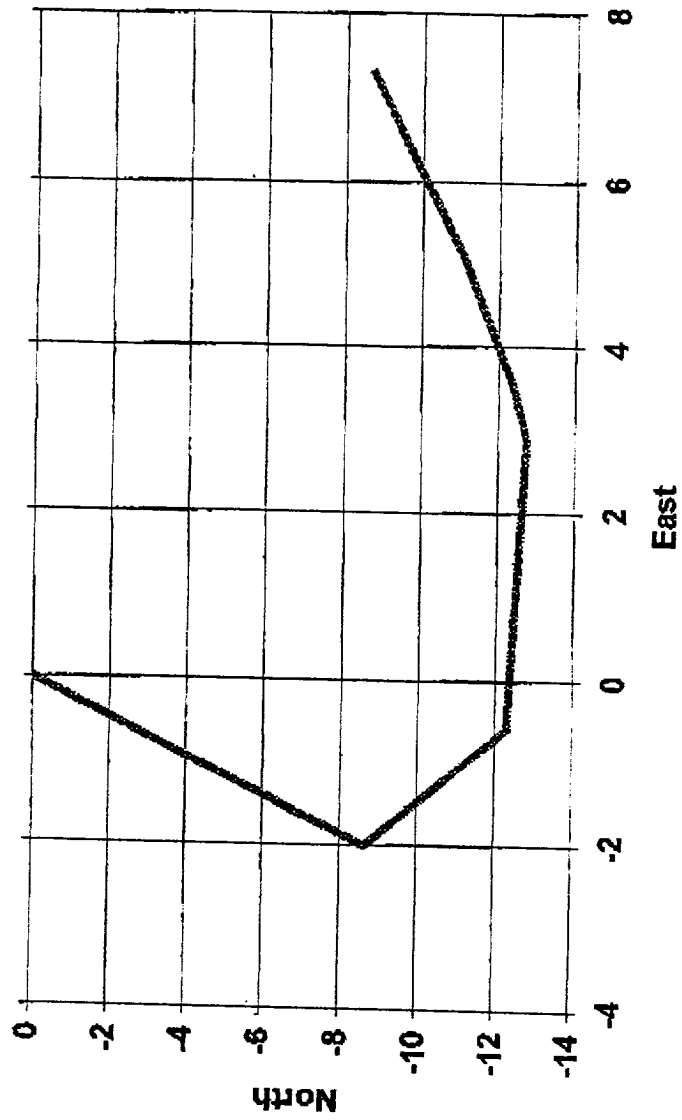
Vertical Section Calculated on: 30.5800

Survey Calculation Method: Minimum Curvature

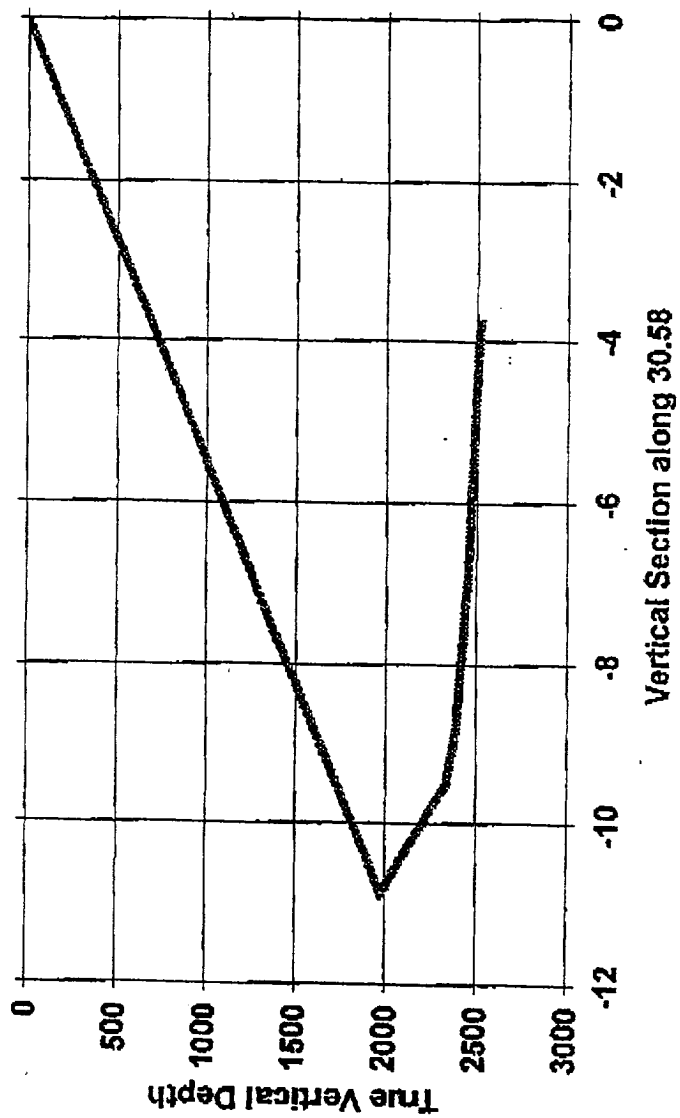
FileName: C:\PATHTRKRWELL_FILES\CVU175.SR3

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	BldRate /100f	TrnRate /100f	DogLeg /100f
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1540.00	0.66	193.10	1539.97	-8.64	-2.01	-8.46	0.04	0.00	0.04
2	1974.00	0.62	121.30	1973.95	-12.29	-0.57	-10.87	-0.01	-16.54	0.17
3	2333.00	0.60	72.50	2332.93	-12.74	2.88	-9.50	-0.01	-13.59	0.14
4	2386.00	1.10	53.90	2385.92	-12.35	3.56	-8.83	0.94	-35.09	1.07
5	2450.00	2.50	48.80	2449.89	-11.07	5.10	-6.94	2.19	-7.97	2.20
6	2514.00	3.30	37.90	2513.81	-8.70	7.29	-3.78	1.25	-17.03	1.51
7	2577.00	4.30	32.10	2576.67	-5.27	9.66	0.38	1.59	-9.21	1.70
8	2640.00	5.60	33.60	2639.43	-0.71	12.61	5.81	2.06	2.38	2.07
9	2702.00	7.00	30.90	2701.05	5.06	16.23	12.61	2.26	-4.35	2.31
10	2766.00	8.20	29.60	2764.49	12.37	20.48	21.07	1.87	-2.03	1.89
11	2829.00	9.10	28.50	2826.77	20.65	25.08	30.54	1.43	-1.75	1.45
12	2891.00	10.50	27.10	2887.87	29.99	29.99	41.08	2.26	-2.26	2.29
13	2957.00	12.10	26.30	2952.59	41.55	35.80	53.98	2.42	-1.21	2.44
14	3021.00	13.00	26.30	3015.06	54.02	41.96	67.85	1.41	0.00	1.41
15	3084.00	14.10	28.20	3076.30	67.13	48.73	82.58	1.75	3.02	1.88
16	3147.00	15.40	29.50	3137.23	81.18	56.47	98.62	2.06	2.06	2.13
17	3212.00	16.80	28.20	3199.67	96.97	65.16	116.63	2.15	-2.00	2.22
18	3275.00	17.80	28.80	3259.82	113.43	74.10	135.35	1.59	0.95	1.61
19	3339.00	18.50	28.70	3320.64	130.91	83.69	155.28	1.09	-0.16	1.09
20	3402.00	17.90	29.40	3380.49	148.11	93.24	174.95	-0.95	1.11	1.01
21	3433.00	17.20	29.10	3410.04	156.27	97.81	184.29	-2.26	-0.97	2.28
22	3527.00	16.00	28.50	3500.12	179.80	110.75	211.13	-1.28	-0.64	1.29
23	3623.00	15.30	29.70	3592.57	202.43	123.34	237.02	-0.73	1.25	0.80
24	3751.00	13.10	29.20	3716.65	229.76	138.79	268.41	-1.72	-0.39	1.72
25	3813.00	12.50	30.80	3777.11	241.66	145.65	282.15	-0.97	2.58	1.12
26	3908.00	10.90	31.40	3870.13	258.16	155.60	301.41	-1.68	0.63	1.69
27	3972.00	10.10	32.40	3933.06	268.06	161.76	313.07	-1.25	1.56	1.28
28	4067.00	8.60	32.60	4026.79	281.08	170.05	328.49	-1.58	0.21	1.58
29	4164.00	7.90	31.80	4122.79	292.85	177.47	342.41	-0.72	-0.82	0.73
30	4255.00	7.90	32.30	4212.92	303.45	184.10	354.91	0.00	0.55	0.08
31	4350.00	7.80	32.00	4307.03	314.44	191.01	367.88	-0.11	-0.32	0.11
32	4425.00	6.10	28.80	4381.48	322.25	195.62	376.95	-2.27	-4.27	2.32
33	4550.00	4.80	30.60	4505.91	332.57	201.49	388.82	-1.04	1.44	1.05
34	4728.00	1.20	28.70	4683.64	340.62	206.17	398.13	-2.02	-1.07	2.02
35	4850.00			4806.00						

Plan View
Central Vacuum Unit # 175



Section View
Central Vacuum Unit # 175



Denver
Division

DRILLING REPORT

Date: 1/11/97
Report: 8

Well: CVU #175	Activity: LOGGING	Spud Date: 1/3/97	CD: 8
Field: VACUUM GRAYBURG SAN ANDR	TD: 4890	Footage: 269	API No: 30-025-33722-00-
County: LEA	State: NM	ATD: 4,850	Hours: 10.75
OU: HOBBS	PBTD: 0	Class: Dev	Estimate No: 665550
Objective: GRAYBURG	KB: 0	BOP Days:	Supervisor: JIM RAY
Lithology: DOLO / /	GL: 3,983	IDC\$/Ft: \$24.69	Phone: (505) 393-4994
		Contractor: NABORS #348	Daywork

DIRECTIONAL SURVEYS				WORK	
M Dpth	Inclination	Azimuth	DLS		
4,850	0.80	330.5	0.85	1.25	ROTATE 4421' - 4465'.
4,728	1.20	28.7	2.02	0.25	SURVEY.
4,550	4.80	30.6	1.05	0.50	ROTATE 4465' - 4517'.
4,425	6.10	28.8	2.32	0.25	SURVEY.
4,350	7.80	32.0	0.11	2.50	SLIDE 4517' - 4547', ROTATE 4547' - 4590'.
				0.25	SURVEY @ 4550', 4.8-30.6.
				2.75	SLIDE 4590' - 4641', ROTATE 4641' - 4681'.
				0.25	SURVEY @ 4641', 1.8-37.9.
				0.25	ROTATE 4681' - 4704'.
				0.25	SURVEY FAILED TO CYCLE UP.
				1.00	ROTATE 4704' - 4768'.
				0.25	SURVEY @ 4728', 1.2-28.7.
				2.50	SLIDE 4768' - 4790', ROTATE 4790' - 4890'.
				0.25	SURVEY @ 4850', 0.8-330.5.
				3.00	SHORT TRIP BIT TO 2500', TIH TO BOTTOM. NO FILL.
				1.50	CIRCULATE.
				6.00	TOH LAYING DOWN DP, DC'S.
				1.00	RIG UP SCHLUMBERGER, LOG.
				0.00	4890', .67 DEGREES, 311.42 AZIMUTH, TVD 4845.62'. CLOSURE IS 400.0/294' ON AZIMUTH OF 31.0042.
				24.00	TOTAL HOURS

TD 77/8 Hole @ 4:15 PM 1-10-97

MUD DATA				TUBULARS				ESTIMATE COSTS			
Mud Wt:	Oil:	Oil:		Prop Size	Prop MD	Actual Size	Actual MD		MOH	Cash	Totals
Viscosity: 31	MBT: 0	MBT: 0		2.375	4,750	0.000	0	DH:	\$15000	\$117000	\$132000
PV: 0	pH: 9.5	pH: 9.5		5.500	4,850	0.000	0	Compl:	\$44000	\$36000	\$80000
YP: 0	Pm: 0	Pm: 0		8.625	1,550	8.625	1,520	Total:	\$59000	\$153000	\$212000
10 Sec Gel: 0	Pf: 0	Pf: 0									
10 Min Gel: 0	Chl: 179000	Chl: 179000									
WL: 23	CA: 0	CA: 0									
HTHP: 0	Ex Lime: 0	Ex Lime: 0									
FC: 1	Elec Stab: 0	Elec Stab: 0									
Solids: 0	Temp: 0	Temp: 0									
Daily Cost: \$425	Cum: \$480	Cum: \$480									

MUD MATERIAL			
STARCH 35.			

HYDRAULICS								SLOW PUMP RATES			
	Liner Size	Stk Lgth	SPM	GPM	PSI:	1500			PSI	SPM	
PUMP #1:	6	7	116	286	AV (DC):	305	PSI Drop:	766	PUMP #1:	0 @ 0	
PUMP #2:	0	0	0	0	AV (DP):	168	HP/IN2:	2.62	PUMP #2:	0 @ 0	

BHA									
BHA#	LENGTH	DEPTH IN	HOURS	TYPE	STRING WT	DRAG UP	DRAG DOWN	TORQUE	
2	1018	1520	90.25	SLICK	114	180	100	0	

DESCRIPTION: B-DHM-XO-MNDC-XO-31 6 1/4

BITS																						
RUN	BIT#	MAKE	SIZE	TYPE	FROM	TO	FEET	HRS	ROP	WOB	RPM	N1	N2	N3	I	O	D	L	B	G	O	R
1	3	HP52M	7.875		1520	4890	3370	90.3	37.3	30	165	12	12	11	3	4	BT	A	6	1	NO	TD

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-33722
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	CENTRAL VACUUM UNIT
8. Well No.	175
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDR
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3983'

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	TEXACO EXPLORATION & PRODUCTION INC.
3. Address of Operator	P.O. Box 2100, Denver Colorado 80201
4. Well Location	Unit Letter L : 1617 Feet From The SOUTH Line and 1107 Feet From The WEST Line Section 31 Township 17-S Range 35-E NMPM LEA COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3983'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ COMPLETION

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- PERF'D 4445'-4470', 4473'-4490', 4493'-4518', 4532'-4534', 4558'-4567', 4606'-4610', 4614'-4620', 4623'-4662', 4665-4669', 4671'-4676', 4678-4680', 4712'-4726', 4728-4743', 4746'-4760'. 181' 724 HOLES. 01-18-97.
- TIH W/ PKR, SN 136-JTS 2-7/8" TBG. SET PKR @ 4421'. 01-19-97.
- DOWELL ACIDIZED PERFS 4445'-4760' W/ 18,000 GALS 15% NEFE HCL ACID AND 6600# ROCK SALT. 01-21-97.
- TIH W/ MOTORS, SEAL, SEPERATOR, PUMP (19.22') JTS, 2-3/8" TBG, CHECK VALVE, DRAIN VALVE, KB. BOTTOM OF MOTORS @ 4543'. HOOK ELECT. START UP AND PUMP UP @ 3-PM. 01-24-97.
- OPT: PUMPED 19 BO, 1200 BW, 14 MCF IN 24 HOURS. 02-12-97.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C. P. Basham / SRH TITLE Eng. Assistant.

DATE 2/13/97

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)621-4851

ORIGINAL SIGNED BY JERRY SEXTON

(This space for State Use)

DISTRICT I SUPERVISOR

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MAR 04 1997