

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. 205 E. Bender, HOBBS, NM 88240		² OGRID Number 022351
⁴ Property Code 11125	⁵ Property Name VACUUM GLORIETA WEST UNIT	³ API Number 30 025 31129
		⁶ Well No. 118

⁷ Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
B	6	18S	35E		660	NORTH	2135	EAST	Lea

⁸ Proposed 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
A	6	18S	35E		531	North	662	East	Lea

⁹ Proposed Pool 1

Vacuum Glorieta

¹⁰ Proposed Pool 2

¹¹ Work Type Code P	¹² WellType Code O	¹³ Rotary or C.T. R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation KB-3983'
¹⁶ Multiple No	¹⁷ Proposed Depth 6100'TVD	¹⁸ Formation Glorieta	¹⁹ Contractor Unknown	²⁰ Spud Date 10/1/97

²¹ Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Objective: Texaco intends to drill a ~ 1475' horizontal directional drill from the VGWU #118, an existing vertical wellbore.

1. MIRU. Set cement retainer at ~ 5860'. Squeeze perforations from 5884'-5908' and 5987'-6032'.

2. RIH with Whipback whipstock and set on top of cement retainer. Mill window from 5843'-5855'. Drill short radius curve using a 4-3/4" bit to a measured depth of 6010'. Directionally drill down dip a 1475' lateral section to the a TVD of ~ 6100'.

3. Rig down pulling unit. Rig up coiled tubing unit. Acid wash lateral section with 30,000 g 15% HCL. Swab.

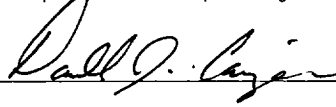
4. Run artificial lift equipment and return well to production.

5. Place well on test.

Permit Expires 1 Year From Approval
Date Unless Being Underway
DD Plugback

²³ I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature



Printed Name

Darrell J. Carriger

Title Prod. Engineer

Date 9/17/97

Telephone 397-0426

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY

GARY WINK

Title:

FIELD REP. II

Approval Date:

SEP 28 1997

Expiration Date:

Conditions of Approval:

Attached ☐

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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

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Submit to Appropriate District Office

State Lease - 4 Copies

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30 025 31129	² Pool Code 62160	³ Pool Name VACUUM GLORIETA
⁴ Property Code 11125	⁵ Property Name VACUUM GLORIETA WEST UNIT	⁶ Well No. 118
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁹ Elevation KB-3983'

¹⁰ Surface Location

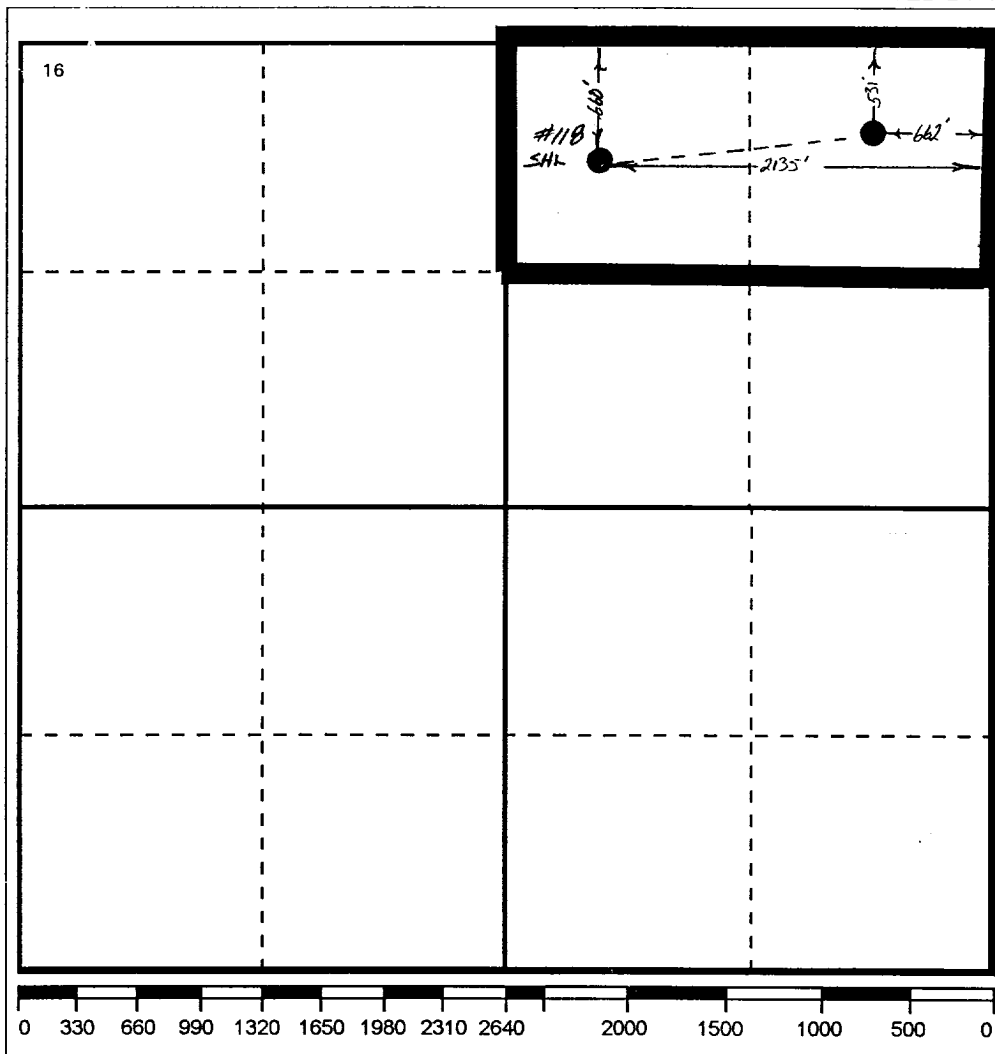
UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
B	6	18S	35E		660	NORTH	2135	EAST	Lea

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
A	6	18S	35E		531	North	662	East	Lea

¹² Dedicated Acres 80	¹³ Joint or Infill No	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

¹⁷ OPERATOR CERTIFICATION

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

Signature

Printed Name

Darrell J. Carriger

Position

Prod. Engineer

Date

9/17/97

¹⁸ SURVEYOR CERTIFICATION

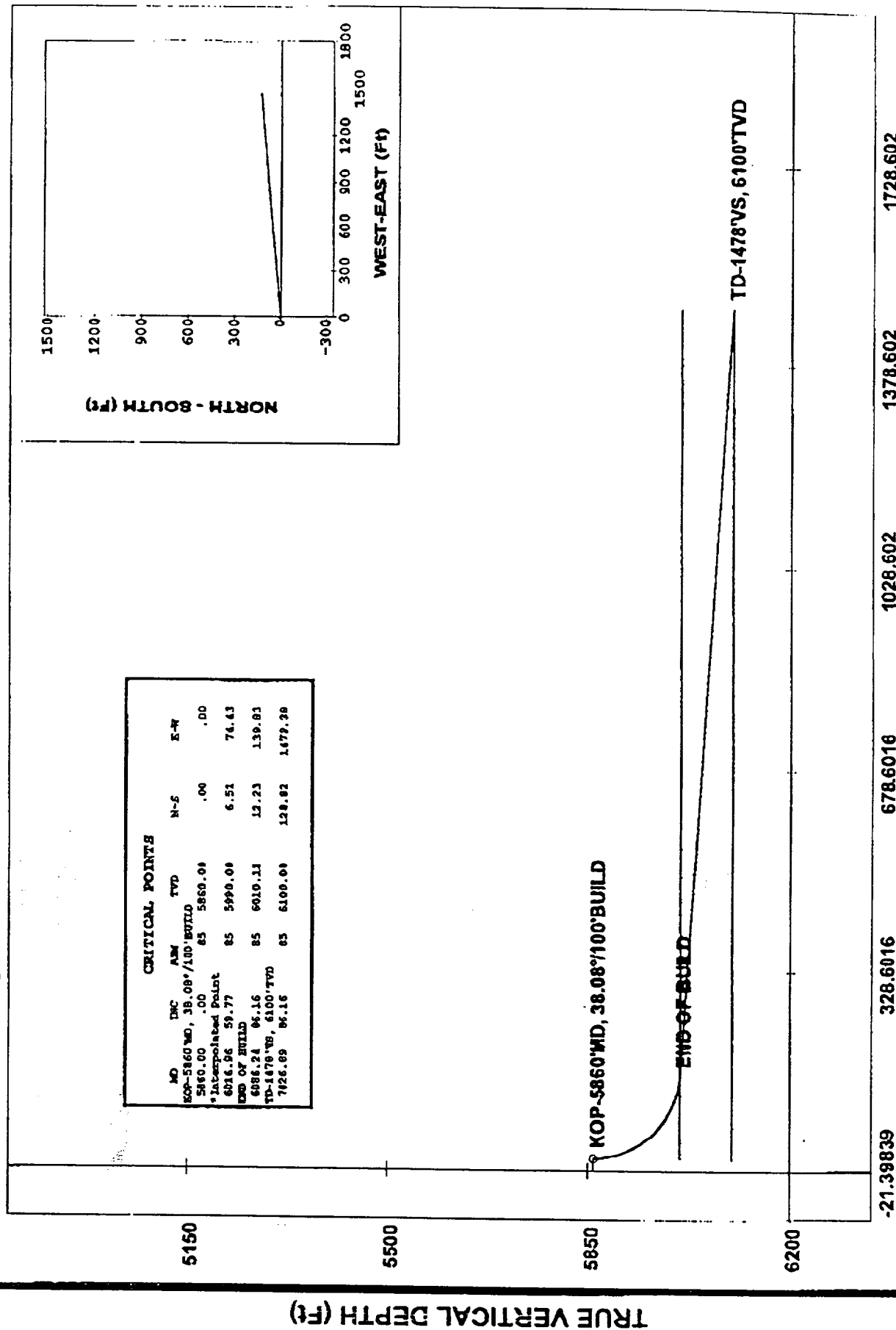
I hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision, and that the same is true and
correct to the best of my knowledge and
belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

Company: TEXACO E & P
 Lease/Well: VGWJ#118
 Location: LEA COUNTY, NEW MEXICO
 File name: C:\WINSERVE\VGWJ118.SVY
 Date/Time: Thursday, August 28, 1997



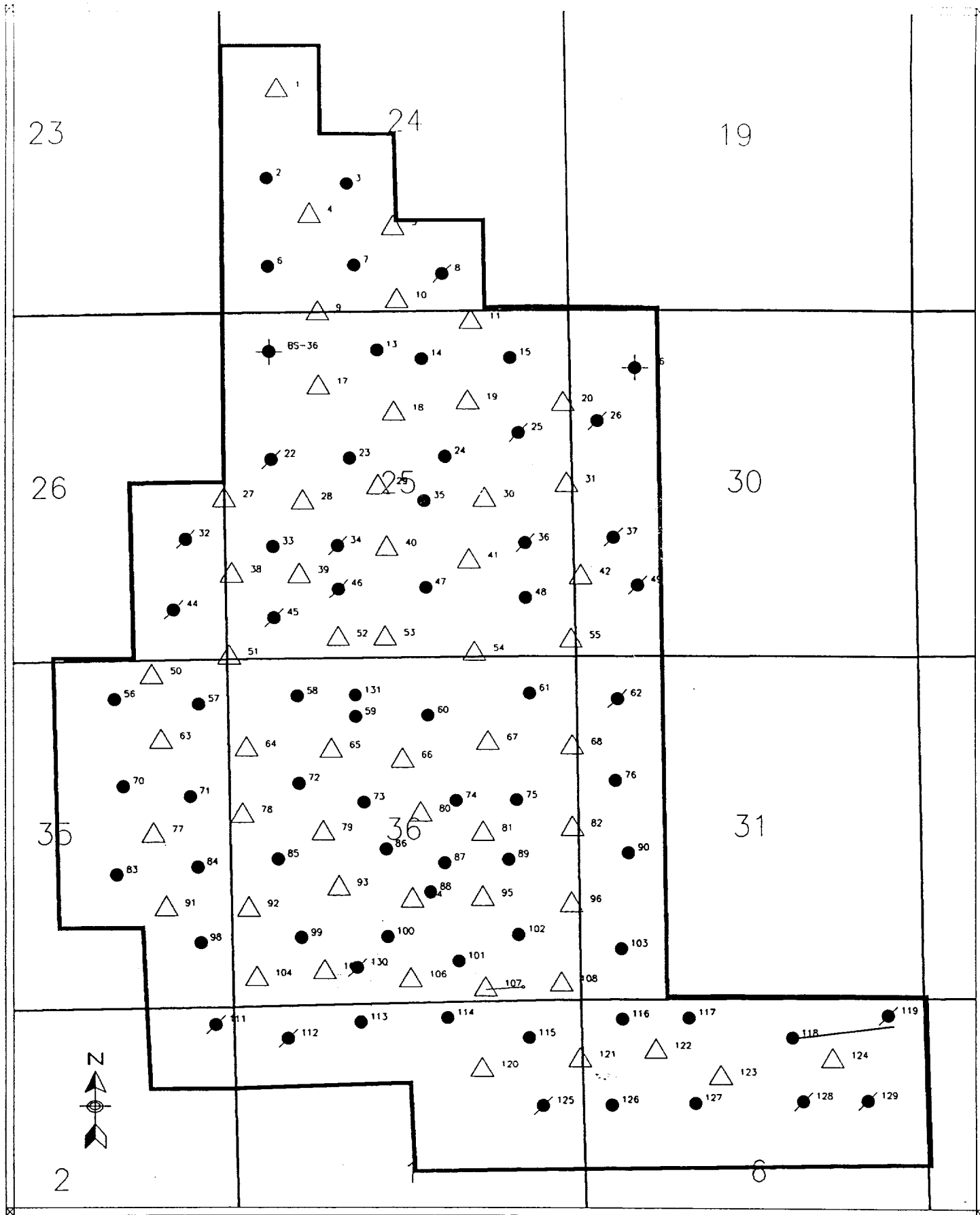
o - VGWJ No. 118(RREV.2)

VERTICAL SECTION (Ft) @ 85.00°

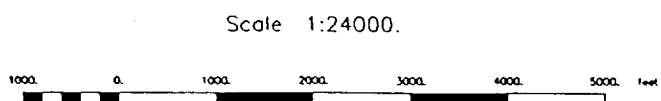
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
5970.00	41.89	85.00	5960.46	-5960.46	3.35	38.31	38.45	38.45	85.00	38.08
5980.00	45.70	85.00	5967.68	-5967.68	3.95	45.20	45.37	45.37	85.00	38.08
5990.00	49.51	85.00	5974.42	-5974.42	4.60	52.55	52.75	52.75	85.00	38.08
6000.00	53.31	85.00	5980.65	-5980.65	5.28	60.34	60.57	60.57	85.00	38.08
6010.00	57.12	85.00	5986.36	-5986.36	5.99	68.52	68.78	68.78	85.00	38.08
6016.96	59.77	85.00	5990.00	-5990.00	6.51	74.43	74.71	74.71	85.00	38.08
6020.00	60.93	85.00	5991.50	-5991.50	6.74	77.06	77.35	77.35	85.00	38.08
6030.00	64.74	85.00	5996.07	-5996.07	7.52	85.92	86.25	86.25	85.00	38.08
6040.00	68.55	85.00	6000.03	-6000.03	8.32	95.06	95.43	95.43	85.00	38.08
6050.00	72.35	85.00	6003.38	-6003.38	9.14	104.45	104.85	104.85	85.00	38.08
6060.00	76.16	85.00	6006.09	-6006.09	9.98	114.04	114.47	114.47	85.00	38.08
6070.00	79.97	85.00	6008.16	-6008.16	10.83	123.78	124.25	124.25	85.00	38.08
6080.00	83.78	85.00	6009.57	-6009.57	11.69	133.64	134.15	134.15	85.00	38.08
6084.62	85.54	85.00	6010.00	-6010.00	12.09	138.22	138.75	138.75	85.00	38.08
END OF BUILD										
6086.24	86.16	85.00	6010.12	-6010.12	12.23	139.83	140.37	140.37	85.00	38.08
6186.24	86.16	85.00	6016.82	-6016.82	20.93	239.23	240.14	240.14	85.00	.00
6286.24	86.16	85.00	6023.53	-6023.53	29.63	338.63	339.92	339.92	85.00	.00
6386.24	86.16	85.00	6030.23	-6030.23	38.32	438.02	439.69	439.69	85.00	.00
6486.24	86.16	85.00	6036.94	-6036.94	47.02	537.42	539.47	539.47	85.00	.00
6586.24	86.16	85.00	6043.64	-6043.64	55.71	636.81	639.24	639.24	85.00	.00
6686.24	86.16	85.00	6050.34	-6050.34	64.41	736.21	739.02	739.02	85.00	.00
6786.24	86.16	85.00	6057.05	-6057.05	73.11	835.60	838.79	838.79	85.00	.00
6886.24	86.16	85.00	6063.75	-6063.75	81.80	935.00	938.57	938.57	85.00	.00
6986.24	86.16	85.00	6070.46	-6070.46	90.50	1034.39	1038.34	1038.34	85.00	.00
7086.24	86.16	85.00	6077.16	-6077.16	99.19	1133.79	1138.12	1138.12	85.00	.00
7186.24	86.16	85.00	6083.87	-6083.87	107.89	1233.18	1237.89	1237.89	85.00	.00
7286.24	86.16	85.00	6090.57	-6090.57	116.59	1332.58	1337.67	1337.67	85.00	.00
7386.24	86.16	85.00	6097.27	-6097.27	125.28	1431.97	1437.44	1437.44	85.00	.00
TD-1478VS, 6100'TVD										
7426.89	86.16	85.00	6100.00	-6100.00	128.82	1472.38	1478.00	1478.00	85.00	.00

**Job Number:****Company:** TEXACO E & P**Lease/Well:** VGWU#118**Location:** LEA COUNTY, NEW MEXICO**Rig Name:****RKB:****G.L. or M.S.L.:****State/Country:** NEW MEXICO, USA**Declination:****Grid:****File name:** C:\WINSERVE\VGWU118.SW**Date/Time:** 28-Aug-97 / 14:00**Curve Name:** VGWU No. 118(RREV.2)**PHOENIX DRILLING SERVICES, INC.****WINSERVE SURVEY CALCULATIONS***Minimum Curvature Method**Vertical Section Plane 85.00*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	C L O S U R E			Dogleg Severity Deg/100
							Distance FT	Direction Deg	Vertical Section FT	
KOP-5860'WD, 38.08°/100'BUILD										
5860.00	.00	85.00	5860.00	-5860.00	.00	.00	.00	.00	.00	.00
5870.00	3.81	85.00	5869.99	-5869.99	.03	.33	.33	.33	85.00	38.08
5880.00	7.62	85.00	5879.94	-5879.94	.12	1.32	1.33	1.33	85.00	38.08
5890.00	11.42	85.00	5889.80	-5889.80	.26	2.97	2.98	2.98	85.00	38.08
5900.00	15.23	85.00	5899.53	-5899.53	.46	5.27	5.29	5.29	85.00	38.08
5910.00	19.04	85.00	5909.08	-5909.08	.72	8.20	8.23	8.23	85.00	38.08
5920.00	22.85	85.00	5918.42	-5918.42	1.03	11.76	11.81	11.81	85.00	38.08
5930.00	26.66	85.00	5927.50	-5927.50	1.39	15.93	15.99	15.99	85.00	38.08
5940.00	30.47	85.00	5936.28	-5936.28	1.81	20.69	20.77	20.77	85.00	38.08
5950.00	34.27	85.00	5944.73	-5944.73	2.28	26.03	26.13	26.13	85.00	38.08
5960.00	38.08	85.00	5952.80	-5952.80	2.79	31.90	32.03	32.03	85.00	38.08



Texaco Exploration & Production, Inc.		
VACUUM GLORIETA WEST UNIT		
WELL NO. 118 HORIZONTAL PLAN		
VACUUM FIELD		
Map No.		7/78/17



LEGEND	
●	PRODUCER
△	INJECTOR
⊕	PLUGGED
■	SHUT IN