

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

<sup>1</sup> Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. 205 E. Bender, HOBBS, NM 88240		<sup>2</sup> OGRID Number 022351
		<sup>3</sup> API Number 3002531499
<sup>4</sup> Property Code 010926	<sup>5</sup> Property Name WEST DOLLARHIDE DRINKARD UNIT	<sup>6</sup> Well No. 114

<sup>7</sup> Surface Location

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
C	5	25S	38E		108	NORTH	2325	WEST	LEA

<sup>8</sup> 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
C/B	5	25S	38E		108/240	NORTH/north	1325/3325	WEST/West	LEA

<sup>9</sup> Proposed Pool 1

<sup>10</sup> Proposed Pool 2

Dollarhide Tubb Drinkard

<sup>11</sup> Work Type Code E	<sup>12</sup> WellType Code O	<sup>13</sup> Rotary or C.T. R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3145'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 6347	<sup>18</sup> Formation DRINKARD	<sup>19</sup> Contractor YALE	<sup>20</sup> Spud Date

<sup>21</sup> Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4	11 3/4		1187	800 SX- CIRC 112 SX	
11	8 5/8		4200	1380 SX- CIRC 175 SX	
7 7/8	5 1/2		7440	1300 SX- CIRC 90 SX	

<sup>22</sup> 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.

MIRU. Set a permanent packer @ +/-6347' (5 1/2" 17#/ft. L80 pipe) TIH with latch (1.0) space out assembly (+/- 80' drill collars) debris sub (2.55') and the 1 1/2 degree multi-lateral selective /reentry whipstock (top of window +/-6244' bottom of window +/- 6256') The planned laterals will be horizontal drilled to 1008' to the East 97.6 degrees 1000' to the west 270 degrees.

Permit Expires 1 Year From Approval Date Unless Drilling Underway

<sup>23</sup> 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 *M. Quintana*

Printed Name Mike Quintana

Title Engineering Assistant

Date 12/31/97

Telephone 397-0419

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY CHRIS WILLIAMS  
Approved By: DISTRICT I SUPERVISOR

Title:  
Approval Date: 12 20 1998

Expiration Date:

Conditions of Approval:  
Attached

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

State of New Mexico  
Energy, Minerals and Natural Resources Depart.

Form C-102  
Revised February 10, 1994

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

# OIL CONSERVATION DIVISION

Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Fee Lease - 3 Copies

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

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 3002531499	<sup>2</sup> Pool Code 18830	<sup>3</sup> Pool Name DOLLARHIDE TUBB DRINKARD
<sup>4</sup> Property Code 010926	<sup>5</sup> Property Name WEST DOLLARHIDE DRINKARD UNIT	
<sup>7</sup> OGRID Number 022351	<sup>8</sup> Operator Name TEXACO EXPLORATION & PRODUCTION INC.	<sup>6</sup> Well No. 114
		<sup>9</sup> Elevation 3145'

### <sup>10</sup> Surface Location

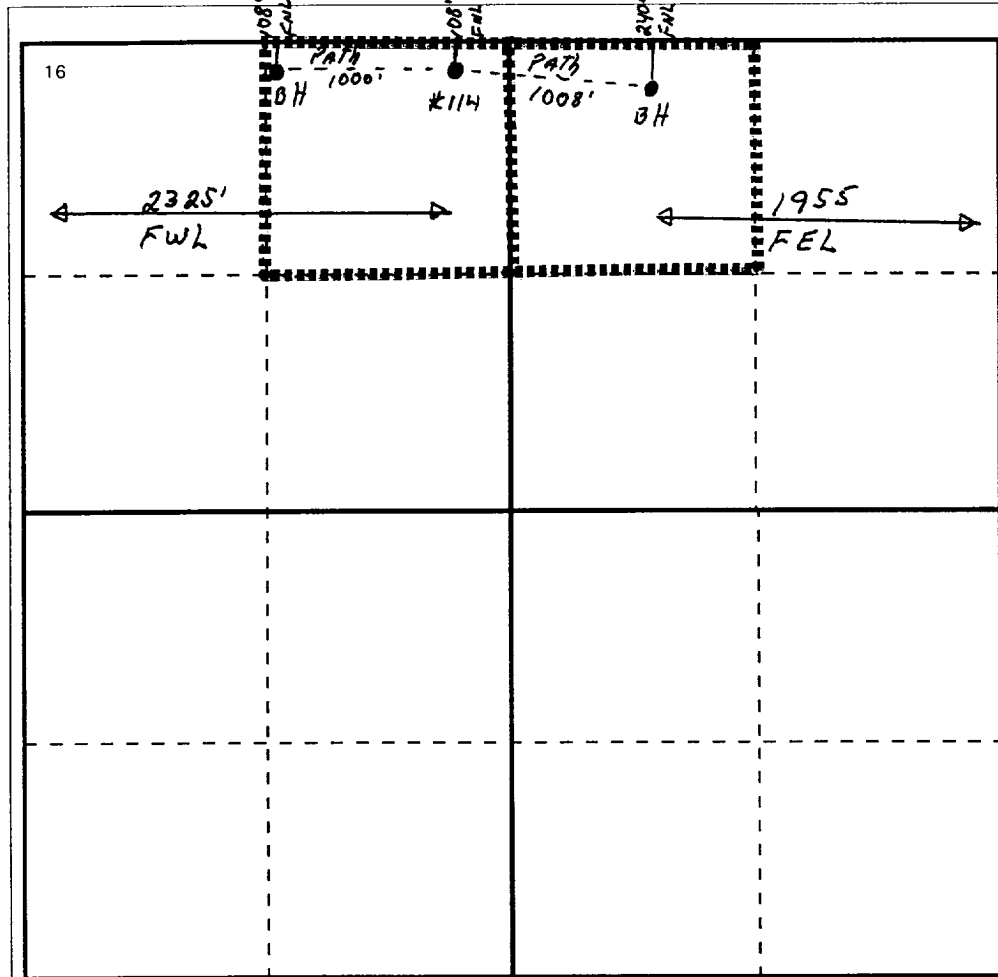
UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
C	5	25S	38E		108	NORTH	2325	WEST	LEA

### <sup>11</sup> 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
C/B	5	25S	38E		108/240	NORTH/NORTH	1325/895	WEST/EAST	LEA

<sup>12</sup> Dedicated Acres 80	<sup>13</sup> Joint or Infill No	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



<sup>17</sup> OPERATOR CERTIFICATION  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature  
*Mike Quintana*

Printed Name  
Mike Quintana

Position  
Engineering Assistant

Date  
12/31/97

<sup>18</sup> 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.



**Job Number:**  
**Company:** TEXACO E & P  
**Lease/Well:** WDDU #114  
**Location:** LEA COUNTY, NEW MEXICO  
**Rig Name:**  
**RKB:** 3145  
**G.L. or M.S.L.:**

**State/Country:** NM, USA  
**Declination:**  
**Grid:**  
**File name:** C:\WINSERVE\WDDU#114.SVY  
**Date/Time:** 08-Oct-97 / 11:12  
**Curve Name:** WDDU#114-EAST LATERAL

**PHOENIX DRILLING SERVICES, INC.**

WINSERVE SURVEY CALCULATIONS  
*Minimum Curvature Method*  
 Vertical Section Plane 97.60

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
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**KOP 6260'MD, 57.30°/100'BR - 97.6°AZM TO BE DETERMINED**

6260.00	.00	97.60	6260.00	-3115.00	.00	.00	.00	.00	.00	.00
6270.00	5.73	97.60	6269.98	-3124.98	-.07	.50	.50	.50	97.60	57.30
6280.00	11.46	97.60	6279.87	-3134.87	-.26	1.98	1.99	1.99	97.60	57.30
6290.00	17.19	97.60	6289.55	-3144.55	-.59	4.43	4.47	4.47	97.60	57.30
6300.00	22.92	97.60	6298.94	-3153.94	-1.04	7.83	7.89	7.89	97.60	57.30
6310.00	28.65	97.60	6307.94	-3162.94	-1.62	12.14	12.24	12.24	97.60	57.30
6320.00	34.38	97.60	6316.46	-3171.46	-2.31	17.31	17.47	17.47	97.60	57.30
6330.00	40.11	97.60	6324.42	-3179.42	-3.11	23.31	23.52	23.52	97.60	57.30
6340.00	45.84	97.60	6331.73	-3186.73	-4.01	30.06	30.33	30.33	97.60	57.30
6350.00	51.57	97.60	6338.33	-3193.33	-5.00	37.51	37.84	37.84	97.60	57.30
6360.00	57.30	97.60	6344.14	-3199.14	-6.08	45.57	45.97	45.97	97.60	57.30

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		Dogleg Severity Deg/100
								Distance FT	Direction Deg	
6365.00	60.17	97.60	6346.74	-3201.74	-6.65	49.80	50.25	50.25	97.60	57.30
6395.00	77.36	97.60	6357.57	-3212.57	-10.33	77.42	78.10	78.10	97.60	57.30
6404.04	82.53	97.60	6359.14	-3214.14	-11.51	86.24	87.00	87.00	97.60	57.30
6504.04	82.53	97.60	6372.14	-3227.14	-24.62	184.52	186.15	186.15	97.60	.00
6604.04	82.53	97.60	6385.13	-3240.13	-37.73	282.80	285.31	285.31	97.60	.00
6704.04	82.53	97.60	6398.12	-3253.12	-50.85	381.08	384.46	384.46	97.60	.00
6769.68	82.53	97.60	6406.65	-3261.65	-59.46	445.60	449.55	449.55	97.60	.00
6770.10	82.47	97.60	6406.71	-3261.71	-59.51	446.00	449.96	449.96	97.60	15.00
6790.29	85.50	97.60	6408.82	-3263.82	-62.16	465.90	470.03	470.03	97.60	15.00
6820.29	90.00	97.60	6410.00	-3265.00	-66.13	495.61	500.00	500.00	97.60	15.00
6850.29	94.50	97.60	6408.82	-3263.82	-70.09	525.31	529.97	529.97	97.60	15.00
6875.57	98.29	97.60	6406.01	-3261.01	-73.41	550.21	555.09	555.09	97.60	15.00
6975.57	98.29	97.60	6391.59	-3246.59	-86.50	648.30	654.04	654.04	97.60	.00
7075.57	98.29	97.60	6377.16	-3232.16	-99.59	746.38	753.00	753.00	97.60	.00
7175.57	98.29	97.60	6362.74	-3217.74	-112.68	844.47	851.95	851.95	97.60	.00
7275.57	98.29	97.60	6348.32	-3203.32	-125.76	942.55	950.90	950.90	97.60	.00
TD - 1008 VS										
7333.26	98.29	97.60	6340.00	-3195.00	-133.31	999.15	1008.00	1008.00	97.60	.00



Job Number:  
 Company: TEXACO E & P  
 Lease/Well: WDDU #114  
 Location: LEA COUNTY, NEW MEXICO  
 Rig Name:  
 RKB: 3145  
 G.L. or M.S.L.:

State/Country: NM, USA  
 Declination:  
 Ghd:  
 File name: C:\WINSERVE\WDDU#114.SVY  
 Date/Time: 01-Oct-97 / 15:56  
 Curve Name: WDDU#114 - WEST LATERAL

PHOENIX DRILLING SERVICES, INC.

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 270.00

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
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KOP-6230'MD,45°/100'BR(270.0°AZM TO BE DETERMINED)

6230.00	.00	270.00	6230.00	-3085.00	.00	.00	.00	.00	.00	.00
6240.00	4.50	270.00	6239.99	-3094.99	.00	-.39	.39	.39	270.00	45.00
6250.00	9.00	270.00	6249.92	-3104.92	.00	-1.57	1.57	1.57	270.00	45.00
6260.00	13.50	270.00	6259.72	-3114.72	.00	-3.52	3.52	3.52	270.00	45.00
6270.00	18.00	270.00	6269.35	-3124.35	.00	-6.23	6.23	6.23	270.00	45.00
6280.00	22.50	270.00	6278.72	-3133.72	.00	-9.69	9.69	9.69	270.00	45.00
6290.00	27.00	270.00	6287.80	-3142.80	.00	-13.88	13.88	13.88	270.00	45.00
6300.00	31.50	270.00	6296.53	-3151.53	.00	-18.76	18.76	18.76	270.00	45.00
6310.00	36.00	270.00	6304.84	-3159.84	.00	-24.32	24.32	24.32	270.00	45.00
6320.00	40.50	270.00	6312.69	-3167.69	.00	-30.51	30.51	30.51	270.00	45.00
6330.00	45.00	270.00	6320.03	-3175.03	.00	-37.29	37.29	37.29	270.00	45.00

1307 1310 1312 1314 1315 1317 1318  
Received  
1319

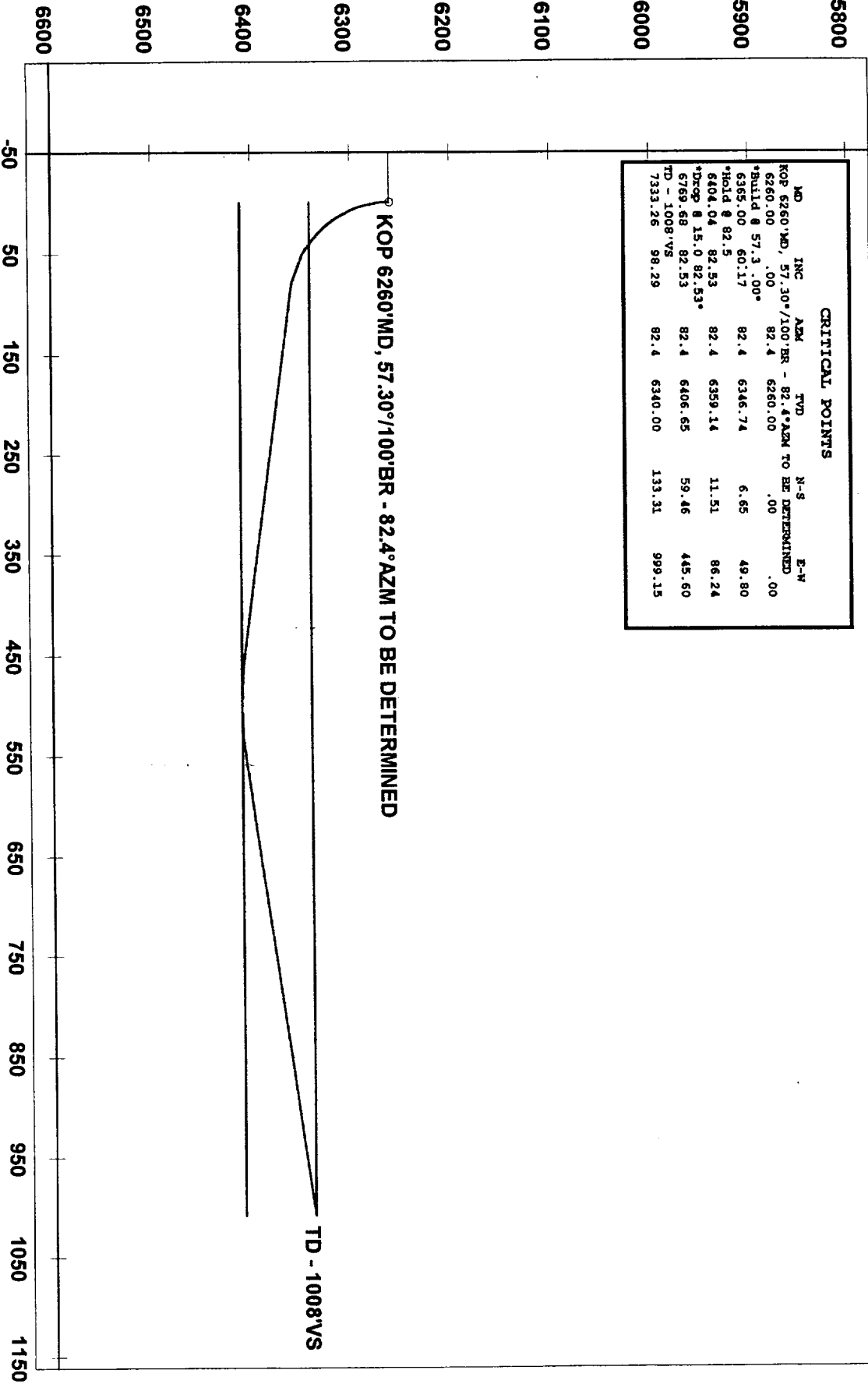
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE		
								Distance FT	Direction Deg	Dogleg Severity Deg/100
6340.00	49.50	270.00	6326.82	-3181.82	.00	-44.63	44.63	44.63	270.00	45.00
6350.00	54.00	270.00	6333.01	-3188.01	.00	-52.48	52.48	52.48	270.00	45.00
6360.00	58.50	270.00	6338.56	-3193.56	.00	-60.80	60.80	60.80	270.00	45.00
6370.00	63.00	270.00	6343.45	-3198.45	.00	-69.52	69.52	69.52	270.00	45.00
6380.00	67.50	270.00	6347.63	-3202.63	.00	-78.60	78.60	78.60	270.00	45.00
6390.00	72.00	270.00	6351.09	-3206.09	.00	-87.98	87.98	87.98	270.00	45.00
6411.18	81.53	270.00	6355.94	-3210.94	.00	-108.58	108.58	108.58	270.00	45.00
6511.82	81.53	270.00	6370.76	-3225.76	.00	-208.12	208.12	208.12	270.00	.00
6611.82	81.53	270.00	6385.48	-3240.48	.00	-307.03	307.03	307.03	270.00	.00
6711.82	81.53	270.00	6400.21	-3255.21	.00	-405.94	405.94	405.94	270.00	.00
6750.05	81.53	270.00	6405.84	-3260.84	.00	-443.75	443.75	443.75	270.00	.00
6750.05	81.53	270.00	6405.84	-3260.84	.00	-443.75	443.75	443.75	270.00	15.00
6776.51	85.50	270.00	6408.82	-3263.82	.00	-470.03	470.03	470.03	270.00	15.00
6806.51	90.00	270.00	6410.00	-3265.00	.00	-500.00	500.00	500.00	270.00	15.00
6836.51	94.50	270.00	6408.82	-3263.82	.00	-529.97	529.97	529.97	270.00	15.00
6862.77	98.44	270.00	6405.87	-3260.87	.00	-556.06	556.06	556.06	270.00	15.00
6962.77	98.44	270.00	6391.19	-3246.19	.00	-654.97	654.97	654.97	270.00	.00
7062.77	98.44	270.00	6376.51	-3231.51	.00	-753.89	753.89	753.89	270.00	.00
7162.77	98.44	270.00	6361.84	-3216.84	.00	-852.81	852.81	852.81	270.00	.00
7262.77	98.44	270.00	6347.16	-3202.16	.00	-951.73	951.73	951.73	270.00	.00
<b>TD - 1000'VS</b>										
7311.57	98.44	270.00	6340.00	-3195.00	.00	-1000.00	1000.00	1000.00	270.00	.00

TRUE VERTICAL DEPTH (Ft)

Company: TEXACO E & P  
 Lease/Well: WDDU #114  
 Location: LEA COUNTY, NEW MEXICO  
 Rig Name:  
 Declination:  
 File name: C:\WINSERVER\WDDU#114.SVY

Date/Time: 01-Oct-97 / 16:10

CRITICAL POINTS					
MD	INC	AZM	TVD	N-S	E-W
KOP 6260' MD,	57.30°/100' BR -	82.4° AZM TO BE DETERMINED			
6260.00	.00	82.4	6260.00	.00	.00
*Build @ 57.3°	.00°				
6365.00	60.17	82.4	6346.74	6.65	49.80
*Hold @ 82.5°					
6404.04	82.53	82.4	6359.14	11.51	86.24
*Drop @ 15.0°	82.53°				
6769.68	82.53	82.4	6406.65	59.46	445.60
TD - 1008' VS					
7333.26	98.29	82.4	6340.00	133.31	999.15



WDDU#114-EAST LATERAL

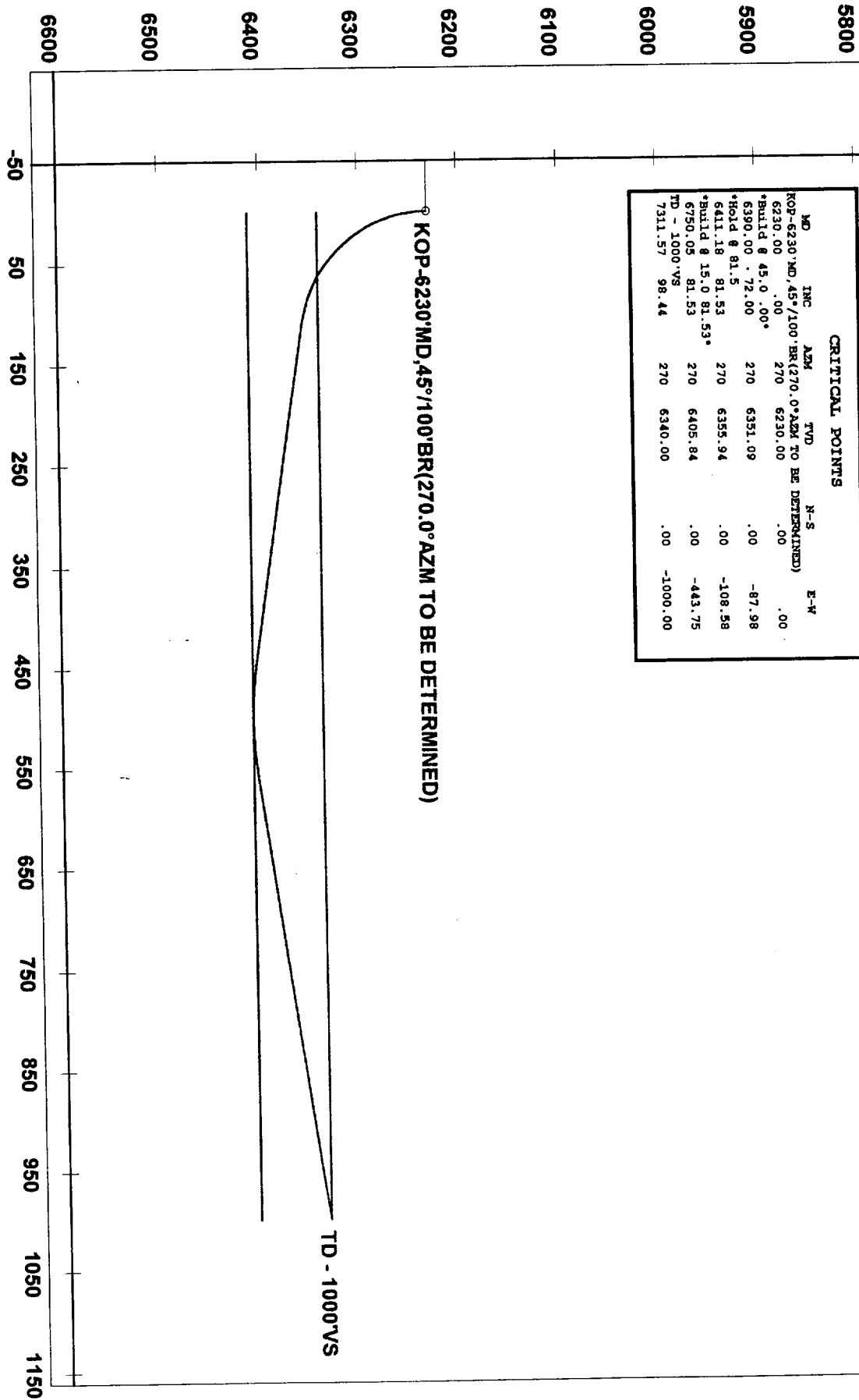
VERTICAL SECTION (Ft) @ 82.40°



Date/Time: 01-Oct-97 / 15:56

Company: TEXACO E & P  
 Lease/Well: WDDU #114  
 Location: LEA COUNTY, NEW MEXICO  
 Rig Name:  
 Declination:  
 File name: C:\WINSERVER\WDDU#114.SVY

CRITICAL POINTS					
MD	INC	AZM	TVD	N-S	E-W
KOP-6230 MD, 45°/100° BR (270.0° AZM TO BE DETERMINED)					
6230.00	.00	270	6230.00	.00	.00
*Build @ 45.0°.00°					
6390.00	.72.00	270	6351.09	.00	-87.98
*Hold @ 81.5					
6411.18	81.53	270	6355.94	.00	-108.58
*Build @ 15.0 81.53°					
6750.05	81.53	270	6405.84	.00	-443.75
TD - 1000° VS					
7311.57	98.44	270	6340.00	.00	-1000.00



WDDU#114 - WEST LATERAL

VERTICAL SECTION (Ft) @ 270.00°

TRUE VERTICAL DEPTH (Ft)

