

N.M. Oil and Gas, DIV-Dist. 2
1301 W. Grand Avenue
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM 93180							
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name							
2. Name of Operator Perenco LLC		7. Unit or CA Agreement Name and No. 34020							
3. Address 6 Desta Drive Suite 6800	3a. Phone No. (include area code) 432 682 8553	8. Lease Name and Well No. Fed-Com 1625 #261							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 700' FNL & 660' FWL unit letter D, Sec 26, T16S R25E At top prod. interval reported below At total depth 700' FNL & 600' FEL, unit letter A, Sec 26, T16S R25E		9. AFI Well No. 30-015-33435							
14. Date Spudded 05/27/2004		10. Field and Pool, or Exploratory Wildcat, Wolfcamp (gas)							
15. Date T.D. Reached 08/02/2004		11. Sec., T., R., M., on Block and Survey or Area							
16. Date Completed 08/28/2004 ☐ D & A ☒ Ready to Prod.		12. County or Parish Eddy Co							
17. Elevations (DF, RKB, RT, GL)* 3468 GL		13. State NM							
18. Total Depth: MD 9086' TVD 5063'	19. Plug Back T.D.: MD TVD	20. Depth Bridge Plug Set: MD TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SLB Platform Express, Microlog		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)							
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	48#	Surface	356'		400 Class C		Surface	Circ 153 Sks
12-1/4"	9-5/8"	36#	Surface	1236'		575 Class C		104' (TS)	0
8-3/4"	7"	26#	Surface	5412'		487 Class C		1284' (CAL)	0
6-1/8"	4-1/2"	11.6#	4741'	9086'		uncemented			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-3/8	5324'	4600							
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Wolfcamp	5096'	5156'	6541'-9044' (MD)			Pre-perforated liner			
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
6541'-9044' (MD)		75,978 gals 15% HCl acid							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/13/2004	08/26/2004	4	→		37.6	4		0.704	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
DEC 7 2004
LES BABYAK
PETROLEUM ENGINEER

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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

vented

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
San Andres	710'				
Glorietta	1900'				
Tubb	3360'				
Abo	4040'				
Wolfcamp	5220'		Productive Zone		

32. Additional remarks (include plugging procedure):

Still evaluating economic case for construction of pipeline

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Stephen J. Howe

Title Petroleum Engineer

Signature



Date 11/05/2004

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name FED-COM 1625	Well Number 261
OGRID No.	Operator Name PERENCO, LLC	Elevation 3468'

RECEIVED
DEC 3 2004
OCD-ARTESIA

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	26	16 S	25 E		661	SOUTH	700	EAST	EDDY

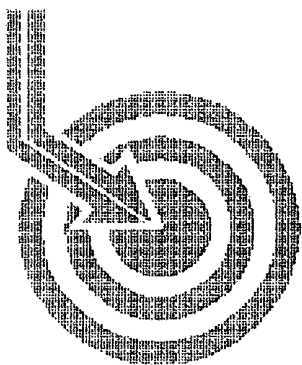
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	16 S	25 E		1535	NORTH	714	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	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

NOTE: 1) Plane Coordinates shown hereon are transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1983. Distances shown hereon are mean horizontal surface values.	Plane Coordinate X = 505,711.4 Y = 689,952.8 BHL (As-Drilled) 714' 1535'		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature _____ Printed Name _____ Title _____ Date _____
	Plane Coordinate X = 505,741.7 Y = 686,852.3 SLO (As-Drilled) 3471.3' 600' 3465.6' 3468.5' 60' 3468.7'		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 upervision and that the same is true and correct to the best of my belief. November 20, 2004 Date Surveyed _____ Signature & Seal of Professional Surveyor _____ LVA W.O. Num. 2004-0861 Certificate No. MACON McDONALD 12185



Scientific Drilling

PERENCO LLC

Field: Wildcat
Site: Eddy County, NM
Well: Fed Com 1625 #261
Wellpath: VH - Job #32K0604367
Survey: 06/11/04

RECEIVED

DEC 3, 2004

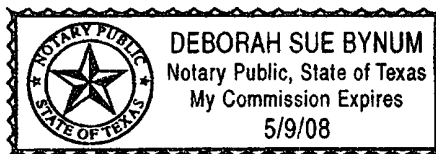
OGD-ARTESIA

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

[Signature] Company Representative

Notorized this date 6th of July, 2004.

[Signature]
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: PERENCO LLC
Field: Wildcat
Site: Eddy County, NM
Well: Fed Com 1625 #261
Wellpath: VH - Job #32K0604367

Date: 7/6/2004 Time: 08:34:12 Page: 1
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,360.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 06/11/04
KSRG 0'-4930'
Company: Scientific Drilling
Tool: Keeper, Keeper Gyro

Start Date: 6/11/2004
Engineer: Gonzales/P&M
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.71	290.18	100.0	0.2	0.2	-0.6	0.71	0.6	290.18
200.0	0.31	307.11	200.0	0.6	0.6	-1.4	0.42	1.5	293.19
300.0	0.54	325.98	300.0	1.1	1.1	-1.9	0.27	2.2	301.63
400.0	0.36	342.80	400.0	1.8	1.8	-2.2	0.22	2.9	309.65
500.0	0.58	17.80	500.0	2.6	2.6	-2.2	0.35	3.4	320.56
600.0	0.80	16.50	600.0	3.8	3.8	-1.8	0.22	4.2	334.47
700.0	0.68	5.70	700.0	5.0	5.0	-1.5	0.18	5.3	342.94
800.0	0.40	359.99	800.0	6.0	6.0	-1.5	0.28	6.1	346.04
900.0	0.26	338.39	900.0	6.5	6.5	-1.6	0.18	6.7	346.50
1000.0	0.13	248.86	1000.0	6.7	6.7	-1.8	0.29	6.9	345.30
1100.0	0.22	229.36	1100.0	6.5	6.5	-2.0	0.11	6.8	342.91
1200.0	0.26	201.86	1200.0	6.2	6.2	-2.2	0.12	6.6	340.14
1300.0	0.27	197.05	1300.0	5.8	5.8	-2.4	0.02	6.2	337.45
1400.0	0.29	195.62	1400.0	5.3	5.3	-2.5	0.02	5.9	334.45
1500.0	0.26	203.74	1500.0	4.8	4.8	-2.7	0.05	5.5	330.95
1600.0	0.28	211.29	1600.0	4.4	4.4	-2.9	0.04	5.3	326.69
1700.0	0.47	220.31	1700.0	3.9	3.9	-3.3	0.20	5.1	319.78
1800.0	0.46	213.71	1800.0	3.3	3.3	-3.8	0.05	5.0	310.68
1900.0	0.48	203.34	1899.9	2.5	2.5	-4.2	0.09	4.9	301.28
2000.0	0.39	191.98	1999.9	1.8	1.8	-4.4	0.12	4.8	292.40
2100.0	0.43	195.12	2099.9	1.1	1.1	-4.6	0.05	4.7	283.79
2200.0	0.39	200.18	2199.9	0.4	0.4	-4.8	0.05	4.8	275.27
2300.0	0.43	206.29	2299.9	-0.2	-0.2	-5.1	0.06	5.1	267.59
2400.0	0.40	209.09	2399.9	-0.9	-0.9	-5.4	0.04	5.5	261.03
2500.0	0.39	200.11	2499.9	-1.5	-1.5	-5.7	0.06	5.9	255.46
2600.0	0.39	207.52	2599.9	-2.1	-2.1	-6.0	0.05	6.3	250.63
2700.0	0.38	194.30	2699.9	-2.7	-2.7	-6.2	0.09	6.8	246.34
2800.0	0.44	210.29	2799.9	-3.4	-3.4	-6.5	0.13	7.3	242.52
2900.0	0.34	173.96	2899.9	-4.0	-4.0	-6.7	0.26	7.8	238.97
3000.0	0.32	188.56	2999.9	-4.6	-4.6	-6.7	0.09	8.1	235.53
3100.0	0.31	172.93	3099.9	-5.1	-5.1	-6.7	0.09	8.4	232.50
3200.0	0.24	179.84	3199.9	-5.6	-5.6	-6.6	0.08	8.7	229.87
3300.0	0.25	170.50	3299.9	-6.0	-6.0	-6.6	0.04	8.9	227.63
3400.0	0.18	146.67	3399.9	-6.4	-6.4	-6.5	0.11	9.1	225.50
3500.0	0.02	185.71	3499.9	-6.5	-6.5	-6.4	0.16	9.1	224.46
3600.0	0.14	218.21	3599.9	-6.6	-6.6	-6.5	0.12	9.3	224.31
3700.0	0.15	220.71	3699.9	-6.8	-6.8	-6.6	0.01	9.5	224.18
3800.0	0.14	209.32	3799.9	-7.0	-7.0	-6.8	0.03	9.8	223.95
3900.0	0.11	198.67	3899.9	-7.2	-7.2	-6.9	0.04	10.0	223.54
4000.0	0.25	133.78	3999.9	-7.5	-7.5	-6.7	0.23	10.1	222.07
4100.0	0.33	93.33	4099.9	-7.6	-7.6	-6.3	0.21	9.9	219.50
4200.0	0.46	98.08	4199.9	-7.7	-7.7	-5.6	0.13	9.5	216.05
4300.0	0.59	109.43	4299.9	-7.9	-7.9	-4.7	0.17	9.2	210.78
4400.0	0.88	107.83	4399.9	-8.3	-8.3	-3.5	0.29	9.1	202.83
4500.0	1.21	98.23	4499.9	-8.7	-8.7	-1.7	0.37	8.9	191.25
4600.0	1.19	99.85	4599.9	-9.1	-9.1	0.3	0.04	9.1	177.91
4700.0	1.43	103.94	4699.8	-9.5	-9.5	2.6	0.26	9.9	164.95
4800.0	1.32	98.42	4799.8	-10.0	-10.0	4.9	0.17	11.2	153.84



Scientific
Drilling

Scientific Drilling Survey Report

Company: PERENCO LLC
Field: Wildcat
Site: Eddy County, NM
Well: Fed Com 1625 #261
Wellpath: VH - Job #32K0604367

Date: 7/6/2004 Time: 08:34:12 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,360.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

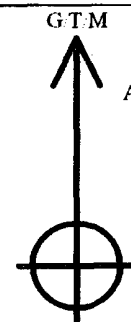
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	1.59	102.22	4899.8	-10.5	-10.5	7.4	0.29	12.8	144.71
4930.0	1.61	103.34	4929.8	-10.7	-10.7	8.2	0.12	13.5	142.33



**Scientific
Drilling**

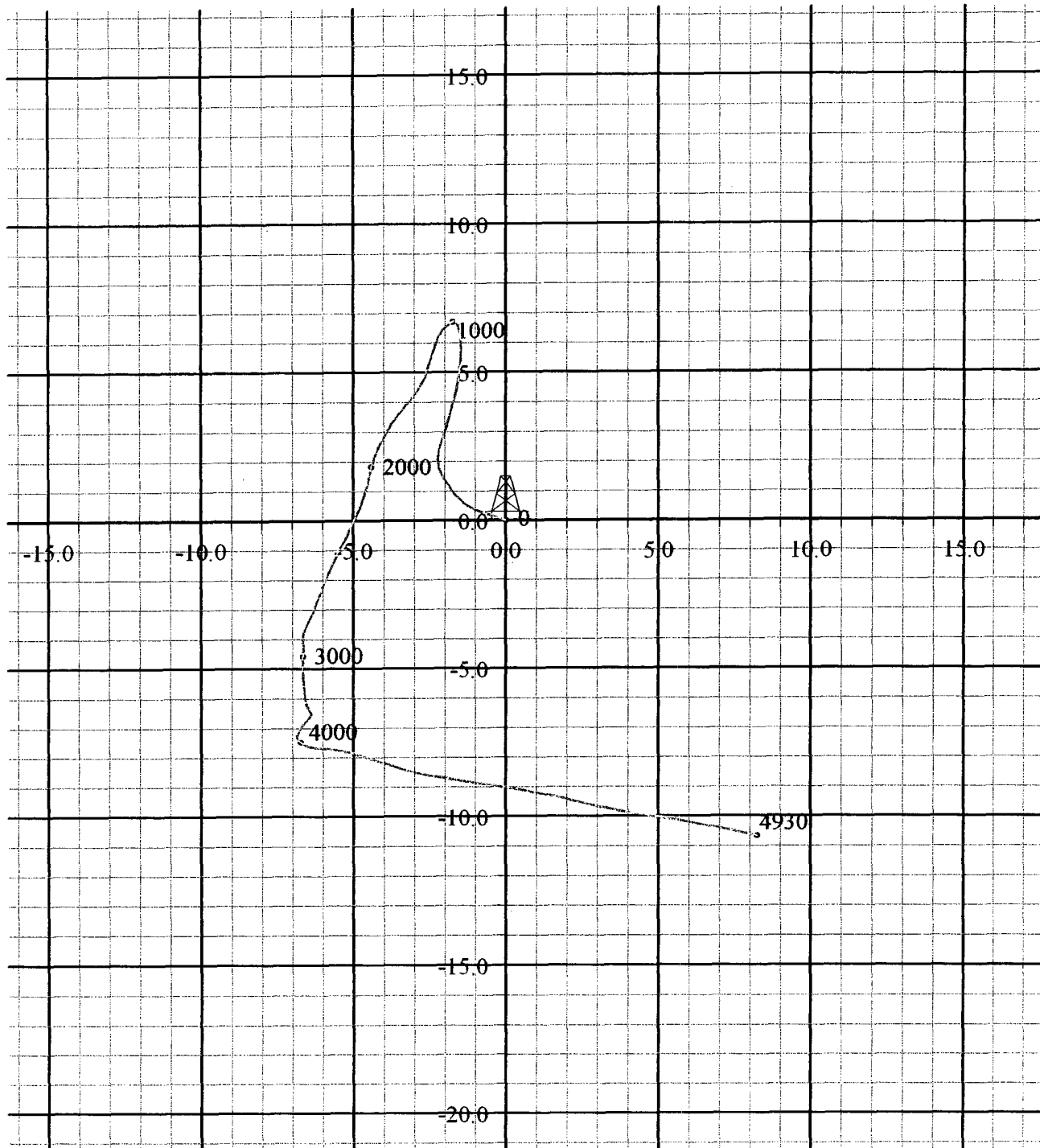
Field: Wildcat
Site: Eddy County, NM
Well: Fed Com 1625 #261
Wellpath: VH - Job #32K0604367
Survey: 06/11/04



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 7/6/2004
Model: igr2000

South(-)/North(+) [5ft/in]



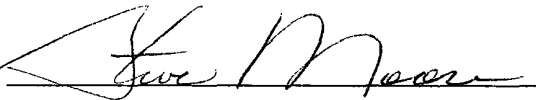
West(-)/East(+) [5ft/in]

OPERATOR: PERENCO, LLC
WELL/LEASE: FED. COM. 1625 #261
COUNTY: EDDY

493-5120

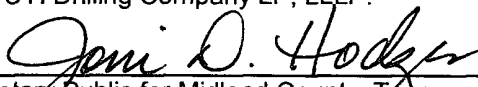
STATE OF NEW MEXICO
DEVIATION REPORT

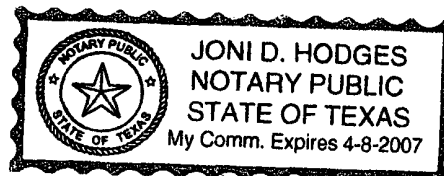
111	3/4
338	1/2
581	3/4
838	3/4
1,092	1/4
1,441	3/4
1,695	1/4
1,916	1/2
2,137	1/2
2,390	1/2
2,643	1/2
2,897	1/4
3,150	1/4
3,404	1/4
3,751	1/2
4,005	1/4
4,258	1/2
4,765	1 3/4
5,018	1 1/2
5,271	1 1/2

By: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 30th day of June, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

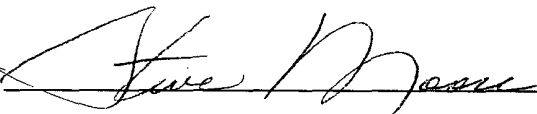


OPERATOR: PERENCO, LLC
WELL/LEASE: FED. COM. 1625 #261
COUNTY: EDDY

493-5120

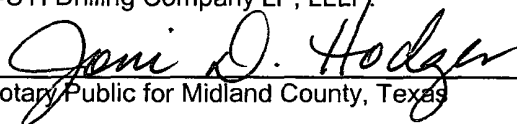
STATE OF NEW MEXICO
DEVIATION REPORT

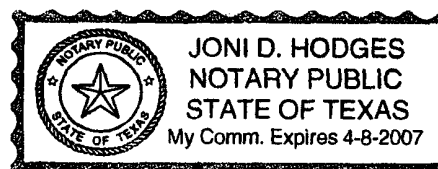
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2,643	1/2
2,897	1/4
3,150	1/4
3,404	1/4
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4,765	1 3/4
5,018	1 1/2
5,271	1 1/2

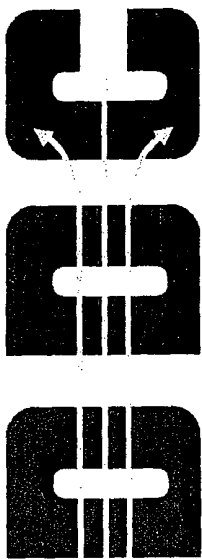
By: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 30th day of June, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas





DIRECTIONAL DRILLING CONTRACTORS, LLC.

Job Number: MDR-4128
Company: Perenco, Inc.
Lease/Well: FED COM '1625' #261
Location: Eddy County
Rig Name: Patterson #493
RKB: 3480'
G.L. or M.S.L.: 3468'

State/Country: New Mexico / USA
Declination: 9.04345
Grid: 0.06
File name: C:\PROPOS-1\2004\04070\S\04-079\04-079.SVY
Date/Time: 20-Jul-04 / 11:52
Curve Name: DDC As-Drilled Surveys

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE		Grid X FT	Grid Y FT
								Distance FT	Direction Deg		

Tie-In to Scientific Gyro Surveys

4930.00	1.60	103.30	4929.80	-10.50	.00	-10.50	7.40	12.85	144.83	505748.90	686840.70
5002.00	8.30	25.70	5001.53	-6.04	11.26	-6.04	10.64	12.23	119.59	505752.14	686845.16
5034.00	13.60	21.50	5032.94	-46	16.74	-46	13.02	13.03	92.00	505754.52	686850.74
5066.00	19.40	19.60	5063.60	8.06	18.20	8.06	16.18	18.08	63.53	505757.68	686859.26
5098.00	25.80	18.90	5093.13	19.67	20.02	19.67	20.23	28.21	45.80	505761.73	686870.87
5125.00	31.30	18.20	5116.84	31.90	20.41	31.90	24.32	40.11	37.33	505765.82	686883.10
5157.00	37.80	13.30	5143.19	49.36	22.08	49.36	29.18	57.34	30.59	505770.68	686900.56
5188.00	43.80	6.60	5166.65	69.29	23.94	69.29	32.61	76.58	25.20	505774.11	686920.49
5219.00	50.00	.80	5187.84	91.85	24.21	91.85	34.01	97.94	20.32	505775.51	686943.05
5250.00	56.70	357.30	5206.33	116.70	23.43	116.70	33.56	121.43	16.04	505775.06	686967.90

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	Distance FT	Direction Deg	Grid X FT	Grid Y FT
5282.00	63.80	354.80	5222.20	144.39	23.20	144.39	31.63	147.81	12.35	505773.13	686995.59
5314.00	71.50	353.60	5234.36	173.81	24.31	173.81	28.63	176.15	9.35	505770.13	687025.01
5346.00	79.10	353.80	5242.48	204.56	23.76	204.56	25.24	206.11	7.03	505766.74	687055.76
5378.00	86.80	354.60	5246.40	236.13	24.19	236.13	22.03	237.15	5.33	505763.53	687087.33
5410.00	92.90	356.70	5246.49	268.02	20.16	268.02	19.61	268.73	4.18	505761.11	687119.22
5442.00	93.90	356.40	5244.59	299.90	3.26	299.90	17.68	300.42	3.37	505759.18	687151.10
5473.00	95.80	358.00	5241.97	330.75	8.00	330.75	16.17	331.15	2.80	505757.67	687181.95
5505.00	97.00	358.00	5238.40	362.53	3.75	362.53	15.06	362.85	2.38	505756.56	687213.73
5537.00	95.60	358.30	5234.89	394.32	4.47	394.32	14.04	394.57	2.04	505755.54	687245.52
5569.00	94.00	358.30	5232.21	426.20	5.00	426.20	13.09	426.40	1.76	505754.59	687277.40
5601.00	93.80	358.00	5230.03	458.11	1.12	458.11	12.06	458.26	1.51	505753.56	687309.31
5633.00	93.20	357.30	5228.08	490.02	2.88	490.02	10.75	490.14	1.26	505752.25	687341.22
5665.00	93.70	357.10	5226.16	521.92	1.68	521.92	9.19	522.00	1.01	505750.69	687373.12
5696.00	95.10	357.60	5223.78	552.80	4.79	552.80	7.76	552.85	.80	505749.26	687404.00
5728.00	95.00	357.80	5220.96	584.65	.70	584.65	6.48	584.68	.64	505747.98	687435.85
5759.00	94.90	357.40	5218.29	615.50	1.33	615.50	5.19	615.53	.48	505746.69	687466.70
5792.00	92.40	356.40	5216.19	648.39	8.16	648.39	3.41	648.39	.30	505744.91	687499.59
5824.00	92.30	356.90	5214.87	680.30	1.59	680.30	1.54	680.31	.13	505743.04	687531.50
5856.00	93.90	357.40	5213.14	712.22	5.24	712.22	-0.05	712.22	360.00	505741.45	687563.42
5888.00	94.40	357.60	5210.83	744.10	1.68	744.10	-1.44	744.10	359.89	505740.06	687595.30
5919.00	94.70	357.40	5208.37	774.98	1.16	774.98	-2.79	774.98	359.79	505738.71	687626.18
5950.00	94.60	357.40	5205.85	805.84	.32	805.84	-4.19	805.85	359.70	505737.31	687657.04
5982.00	94.90	357.10	5203.20	837.69	1.32	837.69	-5.72	837.71	359.61	505735.78	687688.89
6014.00	93.90	358.50	5200.75	869.58	5.37	869.58	-6.94	869.60	359.54	505734.56	687720.78
6046.00	93.40	358.80	5198.71	901.50	1.82	901.50	-7.70	901.53	359.51	505733.80	687752.70
6078.00	93.10	358.70	5196.90	933.44	.99	933.44	-8.39	933.48	359.48	505733.11	687784.64
6109.00	93.10	358.50	5195.22	964.39	.64	964.39	-9.15	964.43	359.46	505732.35	687815.59
6153.00	93.00	358.50	5192.88	1008.31	.23	1008.31	-10.30	1008.36	359.41	505731.20	687859.51
6172.00	93.20	358.50	5191.85	1027.28	1.05	1027.28	-10.80	1027.33	359.40	505730.70	687878.48
6204.00	93.00	358.50	5190.12	1059.22	.62	1059.22	-11.63	1059.28	359.37	505729.87	687910.42
6236.00	93.10	358.70	5188.42	1091.16	.70	1091.16	-12.41	1091.23	359.35	505729.09	687942.36
6269.00	93.60	358.70	5186.49	1124.10	1.52	1124.10	-13.16	1124.18	359.33	505728.34	687975.30

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	Distance FT	Direction Deg	Grid X FT	Grid Y FT
6300.00	93.40	358.70	5184.60	1155.03	.65	1155.03	-13.86	1155.12	359.31	505727.64	688006.23
6332.00	93.60	358.70	5182.65	1186.96	.63	1186.96	-14.59	1187.05	359.30	505726.91	688038.16
6363.00	93.50	358.70	5180.73	1217.90	.32	1217.90	-15.29	1217.99	359.28	505726.21	688069.10
6396.00	93.50	358.80	5178.71	1250.83	.30	1250.83	-16.01	1250.93	359.27	505725.49	688102.03
6427.00	93.70	358.70	5176.76	1281.76	.72	1281.76	-16.68	1281.87	359.25	505724.82	688132.96
6459.00	93.60	359.00	5174.73	1313.69	.99	1313.69	-17.32	1313.80	359.24	505724.18	688164.89
6490.00	93.50	359.50	5172.81	1344.63	1.64	1344.63	-17.73	1344.74	359.24	505723.77	688195.83
6521.00	93.60	359.50	5170.89	1375.57	.32	1375.57	-18.00	1375.68	359.25	505723.50	688226.77
6553.00	93.60	359.70	5168.88	1407.50	.62	1407.50	-18.22	1407.62	359.26	505723.28	688258.70
6584.00	93.50	359.90	5166.96	1438.44	.72	1438.44	-18.33	1438.56	359.27	505723.17	688289.64
6616.00	93.70	.10	5164.95	1470.38	.88	1470.38	-18.33	1470.49	359.29	505723.17	688321.58
6648.00	93.80	.10	5162.86	1502.31	.31	1502.31	-18.28	1502.42	359.30	505723.22	688353.51
6679.00	93.60	359.90	5160.86	1533.25	.91	1533.25	-18.28	1533.35	359.32	505723.22	688384.45
6711.00	92.90	359.50	5159.04	1565.19	2.52	1565.19	-18.44	1565.30	359.32	505723.06	688416.39
6742.00	92.30	359.50	5157.64	1596.16	1.94	1596.16	-18.71	1596.27	359.33	505722.79	688447.36
6774.00	91.60	359.40	5156.55	1628.14	2.21	1628.14	-19.02	1628.25	359.33	505722.48	688479.34
6805.00	92.20	359.20	5155.52	1659.12	2.04	1659.12	-19.40	1659.23	359.33	505722.10	688510.32
6836.00	93.20	359.90	5154.06	1690.08	3.94	1690.08	-19.64	1690.20	359.33	505721.86	688541.28
6867.00	94.20	.40	5152.06	1721.02	3.61	1721.02	-19.56	1721.13	359.35	505721.94	688572.22
6898.00	93.60	.60	5149.95	1751.95	2.04	1751.95	-19.29	1752.05	359.37	505722.21	688603.15
6929.00	93.70	.40	5147.98	1782.88	.72	1782.88	-19.02	1782.98	359.39	505722.48	688634.08
6958.00	93.10	.10	5146.26	1811.83	2.31	1811.83	-18.89	1811.93	359.40	505722.61	688663.03
6988.00	92.60	359.70	5144.77	1841.79	2.13	1841.79	-18.95	1841.89	359.41	505722.55	688692.99
7019.00	92.50	359.90	5143.39	1872.76	.72	1872.76	-19.05	1872.86	359.42	505722.45	688723.96
7051.00	92.20	359.70	5142.07	1904.73	1.13	1904.73	-19.17	1904.83	359.42	505722.33	688755.93
7082.00	92.20	359.50	5140.88	1935.71	.64	1935.71	-19.38	1935.81	359.43	505722.12	688786.91
7111.00	92.20	359.20	5139.77	1964.69	1.03	1964.69	-19.71	1964.79	359.43	505721.79	688815.89
7140.00	91.70	358.70	5138.78	1993.67	2.44	1993.67	-20.24	1993.77	359.42	505721.26	688844.87
7172.00	91.60	358.50	5137.86	2025.64	.70	2025.64	-21.02	2025.75	359.41	505720.48	688876.84
7203.00	92.20	359.20	5136.84	2056.62	2.97	2056.62	-21.65	2056.73	359.40	505719.85	688907.82
7234.00	92.90	358.80	5135.46	2087.58	2.60	2087.58	-22.19	2087.70	359.39	505719.31	688938.78
7266.00	93.40	358.80	5133.70	2119.53	1.56	2119.53	-22.86	2119.65	359.38	505718.64	688970.73

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE			Grid X FT	Grid Y FT
								Distance FT	Direction Deg			
7297.00	93.70	358.50	5131.78	2150.46	1.37	2150.46	-23.58	2150.59	359.37		505717.92	689001.66
7327.00	93.80	358.30	5129.82	2180.38	.74	2180.38	-24.42	2180.52	359.36		505717.08	689031.58
7359.00	92.90	359.20	5127.95	2212.32	3.97	2212.32	-25.12	2212.46	359.35		505716.38	689063.52
7390.00	92.90	359.20	5126.38	2243.28	.00	2243.28	-25.55	2243.42	359.35		505715.95	689094.48
7421.00	93.60	359.40	5124.62	2274.23	2.35	2274.23	-25.93	2274.37	359.35		505715.57	689125.43
7453.00	93.30	359.40	5122.69	2306.17	.94	2306.17	-26.26	2306.32	359.35		505715.24	689157.37
7485.00	92.80	.10	5120.99	2338.12	2.69	2338.12	-26.40	2338.27	359.35		505715.10	689189.32
7517.00	93.00	.30	5119.37	2370.08	.88	2370.08	-26.29	2370.23	359.36		505715.21	689221.28
7548.00	92.30	1.30	5117.94	2401.04	3.93	2401.04	-25.86	2401.18	359.38		505715.64	689252.24
7580.00	92.60	1.30	5116.57	2433.01	.94	2433.01	-25.13	2433.13	359.41		505716.37	689284.21
7611.00	93.10	1.10	5115.03	2463.96	1.74	2463.96	-24.48	2464.08	359.43		505717.02	689315.16
7643.00	91.70	1.30	5113.69	2495.92	4.42	2495.92	-23.81	2496.04	359.45		505717.69	689347.12
7675.00	91.50	.90	5112.80	2527.91	1.40	2527.91	-23.20	2528.01	359.47		505718.30	689379.11
7706.00	89.90	.10	5112.42	2558.90	5.77	2558.90	-22.93	2559.00	359.49		505718.57	689410.10
7738.00	89.30	359.50	5112.64	2590.90	2.65	2590.90	-23.04	2591.00	359.49		505718.46	689442.10
7769.00	90.80	359.90	5112.61	2621.90	5.01	2621.90	-23.20	2622.00	359.49		505718.30	689473.10
7801.00	90.80	359.70	5112.17	2653.89	.62	2653.89	-23.32	2654.00	359.50		505718.18	689505.09
7832.00	91.30	359.90	5111.60	2684.89	1.74	2684.89	-23.42	2684.99	359.50		505718.08	689536.09
7865.00	92.90	.40	5110.39	2717.87	5.08	2717.87	-23.34	2717.97	359.51		505718.16	689569.07
7897.00	93.30	.30	5108.66	2749.82	1.29	2749.82	-23.14	2749.92	359.52		505718.36	689601.02
7929.00	92.20	358.50	5107.12	2781.78	6.59	2781.78	-23.48	2781.88	359.52		505718.02	689632.98
7961.00	91.80	358.10	5106.01	2813.74	1.77	2813.74	-24.43	2813.85	359.50		505717.07	689664.94
7993.00	92.20	358.50	5104.89	2845.71	1.77	2845.71	-25.37	2845.82	359.49		505716.13	689696.91
8025.00	93.60	358.80	5103.27	2877.66	4.47	2877.66	-26.13	2877.78	359.48		505715.37	689728.86
8057.00	93.50	358.10	5101.29	2909.59	2.21	2909.59	-26.99	2909.71	359.47		505714.51	689760.79
8089.00	93.20	357.80	5099.42	2941.51	1.32	2941.51	-28.13	2941.65	359.45		505713.37	689792.71
8120.00	92.40	359.20	5097.91	2972.46	5.20	2972.46	-28.94	2972.60	359.44		505712.56	689823.66
8152.00	92.70	359.80	5096.48	3004.43	2.09	3004.43	-29.22	3004.57	359.44		505712.28	689855.63
8185.00	92.60	359.00	5094.96	3037.39	2.44	3037.39	-29.57	3037.54	359.44		505711.93	689888.59
8217.00	91.20	359.40	5093.90	3069.37	4.55	3069.37	-30.02	3069.52	359.44		505711.48	689920.57
8249.00	91.90	359.50	5093.03	3101.36	2.21	3101.36	-30.32	3101.51	359.44		505711.18	689952.56
8279.00	91.00	358.70	5092.27	3131.34	4.01	3131.34	-30.79	3131.49	359.44		505710.71	689982.54

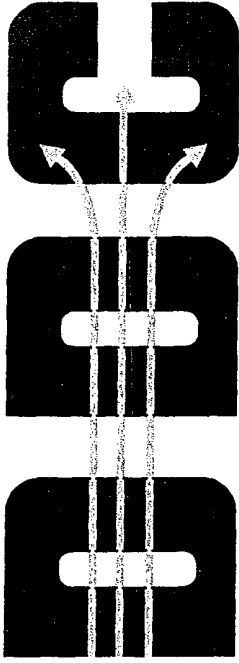
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	Dogleg Severity Deg/100	N-S FT	E-W FT	CLOSURE			Grid X FT	Grid Y FT
								Distance FT	Direction Deg			
8312.00	90.00	358.00	5091.98	3164.33	3.70	3164.33	-31.74	3164.49	359.43		505709.76	690015.53
8344.00	89.90	357.60	5092.01	3196.30	1.29	3196.30	-32.97	3196.47	359.41		505708.53	690047.50
8375.00	90.20	358.70	5091.98	3227.29	3.68	3227.29	-33.97	3227.47	359.40		505707.53	690078.49
8406.00	90.60	358.70	5091.77	3258.28	1.29	3258.28	-34.68	3258.46	359.39		505706.82	690109.48
8438.00	91.80	358.70	5091.10	3290.26	3.75	3290.26	-35.40	3290.45	359.38		505706.10	690141.46
8501.00												
8533.00	94.60	358.80	5087.58	3353.14	4.45	3353.14	-36.77	3353.34	359.37		505704.73	690204.34
8564.00	94.30	358.50	5085.10	3385.04	1.32	3385.04	-37.53	3385.25	359.36		505703.97	690236.24
8596.00	93.80	358.30	5082.91	3415.95	1.74	3415.95	-38.39	3416.16	359.36		505703.11	690267.15
8596.00	93.70	358.00	5080.82	3447.86	.99	3447.86	-39.42	3448.09	359.34		505702.08	690299.06
8628.00	93.50	357.80	5078.81	3479.78	.88	3479.78	-40.59	3480.02	359.33		505700.91	690330.98
8660.00												
8692.00	93.00	357.10	5076.99	3511.70	2.69	3511.70	-42.01	3511.95	359.31		505699.49	690362.90
8724.00	93.20	356.70	5075.26	3543.60	1.40	3543.60	-43.74	3543.87	359.29		505697.76	690394.80
8755.00	92.80	356.40	5073.59	3575.50	1.56	3575.50	-45.66	3575.79	359.27		505695.84	690426.70
8788.00	92.40	356.20	5072.18	3606.40	1.44	3606.40	-47.66	3606.72	359.24		505693.84	690457.60
	93.00	356.60	5070.63	3639.30	2.18	3639.30	-49.73	3639.64	359.22		505691.77	690490.50
8819.00												
8851.00	92.80	356.00	5069.06	3670.20	2.04	3670.20	-51.73	3670.56	359.19		505689.77	690521.40
8883.00	92.70	357.30	5067.52	3702.10	4.07	3702.10	-53.60	3702.49	359.17		505687.90	690553.30
8915.00	92.50	356.90	5066.07	3734.03	1.40	3734.03	-55.21	3734.44	359.15		505686.29	690585.23
8947.00	90.80	357.60	5065.15	3765.98	5.74	3765.98	-56.75	3766.41	359.14		505684.75	690617.18
	90.60	357.40	5064.76	3797.95	.88	3797.95	-58.14	3798.39	359.12		505683.36	690649.15
8979.00												
9010.00	90.20	357.30	5064.53	3829.91	1.29	3829.91	-59.62	3830.38	359.11		505681.88	690681.11
9042.00	90.60	357.30	5064.32	3860.88	1.29	3860.88	-61.08	3861.36	359.09		505680.42	690712.08
	90.80	357.40	5063.93	3892.84	.70	3892.84	-62.56	3893.34	359.08		505678.94	690744.04
Projection to Bit												
9086.00	90.80	357.40	5063.31	3936.79	.00	3936.79	-64.56	3937.32	359.06		505676.94	690787.99

Perenco, LLC.

FED COM '1625' #261

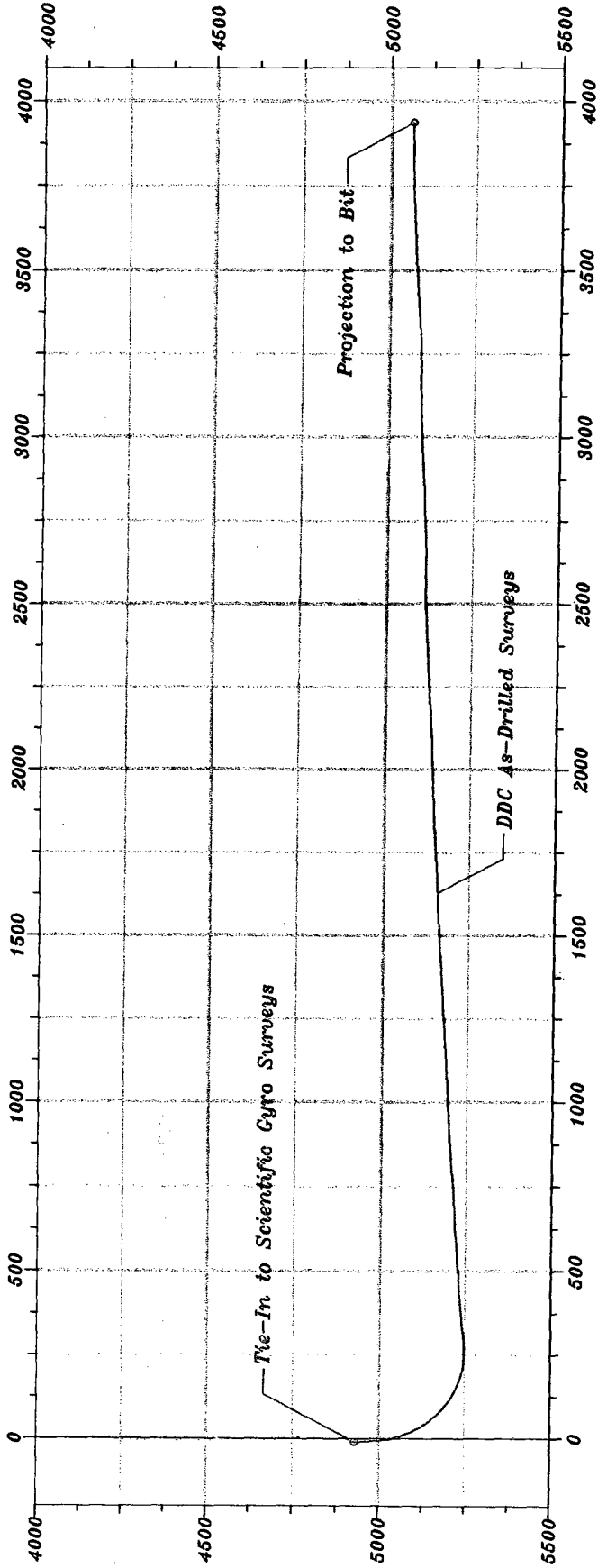
Eddy County, New Mexico

MDR-4128



DIRECTIONAL DRILLING CONTRACTORS, LLC.

VERTICAL SECTION
SCALE: 1 inch = 500'
VERTICAL SECTION PLANE= .00



Fed-Com 1625 #261
MDR-4128

PLAN VIEW
SCALE: 1 inch = 500'

