

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2. Name of Operator
DAVID H. ARRINGTON OIL & GAS INC

3. Address
PO BOX 2071 MIDLAND TX 79702

3.a Phone No. (Include area code)
(432) 682-6685

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At Surface 1265 FNL & 1613 FEL

At top prod. interval reported below

At total depth 330 FSL & 1613 FEL

14. Date Spudded

02/05/2006

15. Date T.D. Reached

03/03/2006

16. Date Completed

☐ D & A ☒ Ready to Prod.
09/14/2006

18. Total Depth: MD 8163
TVD 5400

19. Plug Back T.D.: MD 8118
TVD

20. Depth Bridge Plug Set: OH cmt plug
5300-4200'

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
Micro-CFL/GR, CN/GR

22. Was well cored? ☐ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

5. Lease Serial No.
NMNM103591

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

COLT MIDGE FED 6 1H

9. API Well No.

30-015-34507

10. Field and Pool, or Exploratory
WILDCAT; WOLFCAMP

11. Sec., T., R., M., on Block and
Survey or Area SEC 6, T19S, R24E

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, RKB, RT, GL)*

3802 KB 3753 GL

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8	32	0	936		1250 "C"	14.8	SURFACE	CIRC 400SX
7 7/8	5 1/2	17	0	8163		910 "C"	15.0	SURFACE	CIRC 87 SX

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 7/8	4435	4412						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp			7350-8100	1.33'	48	NON-Economical
B)			6450-7050	1.33'	48	NON-Economical
C)			5400-6100	1.33'	48	NON-Economical
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7350-8100	345.8 MGAL, 208,000# SAND, 240 TONS CO2
6450-7050	382.1 MGAL, 208,000# SAND, 223 TONS CO2
5400-6100	381.2 MGAL, 208,000# SAND, 205 TONS CO2
PRECED E ALL FRACS W/ 6000 GALS 15% NeFe HCL	

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
9/14/06	9/18/06	24	→	7	0	35			Jet Pump
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
Open	2000	20	→	7	0	35		Shut in - Non Economical	

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)

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.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or 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
Tubb	3008	3130			
Abo Shale	3620	3810			
Abo Carb	3810	4800			
Wolfcamp Dry	4800	5000			
Wolfcamp Shale	5090				

32. Additional remarks (include plugging procedure):

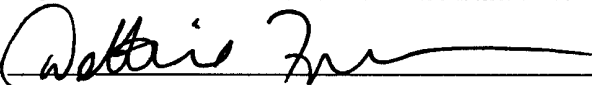
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geological 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) DEBBIE FREEMANTitle ENGINEER TECH

Signature


Date 09/25/2006

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

30-015-34507-00-00

COLT MIDGE 6 FEDERAL No. 001

Company Name: DAVID H ARRINGTON OIL & GAS INC

Location: Sec: 6 T: 19S R: 24E Spot:

String Information

Lat: 32.694416899428 Long: -104.624347331456

Property Name: COLT MIDGE 6 FEDERAL

County Name: Eddy

Cement Information

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
0	0			

Formation Information

St Code	Formation	Depth
Psa	San Andres	620
Pgl	Glorieta	2045
Pytu	Tubb	3006
Pabo	Abo	3677
Pwc	Wolfcamp	4815

Hole: Unknown

TD:

TVD: 0

PBTD:

STATE OF NEW MEXICO
DISTRICT I
 25 N. French Dr., Hobbs, NM 88240
DISTRICT II
 101 W. Grand Avenue, Artesia, NM 88210
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, New Mexico 87505

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34507	² Pool Code 96086	³ Pool Name wildcat, wolfcamp
⁴ Property Code 35532	⁵ Property Name COLT MIDGE FED "6" 1	
⁷ OGRID No. 5898	⁸ Operator Name DAVID H. ARRINGTON OIL & GAS, INC.	⁹ Elevation 3783'

¹⁰ 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	19 SOUTH	24 EAST, N.M.P.M.		1265'	NORTH	1613'	EAST	EDDY

¹¹ 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
0	6	19 SOUTH	24 EAST, N.M.P.M.		660'	SOUTH	1607'	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ AS-DRILLED INFORMATION PROVIDED BY DAVID H. ARRINGTON OIL & GAS	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Debbie Freeman</i> Signature Debbie Freeman Printed Name Eng. Tech Title 12/7/06 Date ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of a duly licensed land surveyor under my supervision and that the same are correct to the best of my belief. <i>V. L. Bezner</i> Signature V. L. BEZNER R.P.S. #7920 Certificate Number JULY 13, 2005 Date of Survey V. L. BEZNER LICENSED LAND SURVEYOR JOB # 119204 / 76 NE / J.C.P.
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District I

1625 N. French Dr., Hobbs, NM 88240

301 W. Grand Avenue, Artesia, NM 88210

1000 Rio Pecos Rd., Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-104

Revised June 10, 2003

Submit to Appropriate District Office

5 Copies

☒ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address DAVID H. ARRINGTON OIL & GAS INC PO BOX 2071 MIDLAND, TX 79702		² OGRID Number 5898
		³ Reason for Filing Code/ Effective Date Non-Economical, need to move oil from tank
⁴ API Number 30 -015-34507	⁵ Pool Name Wildcat; Wolfcamp	⁶ Pool Code 96086
⁷ Property Code 35532	⁸ Property Name Colt Midge Federal 6	⁹ Well Number 1

II. ¹⁰ Surface Location

UL or lot no. B	Section 6	Township 19S	Range 24E	Lot.Idn	Feet from the 1265	North/South Line N	Feet from the 1613	East/West line E	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. O	Section 6	Township 19S	Range 24E	Lot Idn	Feet from the 660 537	North/South line S	Feet from the 1607/568	East/West line E	County Eddy
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID 034053	¹⁹ Transporter Name and Address Plains Marketing LP 333 Clay Street, Suite 1600 Houston, TX 77002	²⁰ POD	²¹ O/G O	²² POD ULSTR Location and Description

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 02/05/2006	²⁶ Ready Date 09/01/2006	²⁷ TD 8163 MD	²⁸ PBSD 8118	²⁹ Perforations 5400-8100	³⁰ DHC, MC
³¹ Hole Size 12 1/4	³² Casing & Tubing Size 8 5/8	³³ Depth Set 936	³⁴ Sacks Cement 1250 Class C		
7 7/8	5 1/2	8163	910 Class C		
	2 7/8	4435			

VI. Well Test Data

³⁵ Date New Oil 09/14/2006	³⁶ Gas Delivery Date	³⁷ Test Date 09/18/2006	³⁸ Test Length 24	³⁹ Tbg. Pressure 2000	⁴⁰ Csg. Pressure 20
⁴¹ Choke Size Open	⁴² Oil 7	⁴³ Water 35	⁴⁴ Gas 0	⁴⁵ AOF	⁴⁶ Test Method Jet Pump

⁴⁷ I hereby certify that the rules 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:

DEBBIE FREEMAN

Title:

ENGINEER TECH

E-mail Address:

DEBBIE@ARRINGTONOIL.COM

Date:

12/07/2006

Phone:

(432)682-6685

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARANT

Title:

DISTRICT II GEOLOGIST

Approval Date:

DEC 18 2006

Colt Midge Fed 6 No. 1
Cottonwood Creek Field
Eddy County, New Mexico

Surface
1265' FNL
1613' FEL
S-6
T19S, R24E

KB: 3802'
GL: 3783'

Existing Completion

API: 30-015-34507

Spud: 02/05/06
Rig Rel: 03/04/06

Bit Size: 12-1/4" to 936'

8-5/8" 32# J55 STC @ 936'

w/100 sx Premium Plus Thixset w/ 1% Thixset A &
0.25% WG-17 (14.0 / 1.53) and
650 sx Light Premium Plus w/ 5 pps gilsonite
& 2% CaCl₂ (12.4 / 2.04) and
500 sx Premium Plus w/ 2% CaCl₂ (14.8 / 1.34)
Circulated 400 sx (Calc hole size = 18.6")

139 jts 2 7/8" 6.5# N80 tbg

Bit Size: 7-7/8"

2.31" F sliding sleeve
1 jt 2 7/8" N80
On-Off Tool @ 4405' w/
2.31" F nipple
W'ford Aeroset-1 pkr @ 4412'
10' 2-7/8" pup
2.25" R nipple @ 4434'
W/L entry guide @ 4435' (EOT)

KOP @ 4470'
EOC @ 5147'

OH Cmt Plug: 5300' - 4200'
500 sx Premium w/ 0.75% CFR-3 (17.0 / 0.99)

TD: 8163'
PBSD: 8118'
Vertical TD: 5400'

MD	Incl	DLS	MD	Incl	DLS	MD	Incl	DLS
4400	0.5	0.1	5721	94.4	4.7	6975	91.6	0.6
4490	2.1	2.8	5753	94.0	1.6	7006	92.2	2.0
4521	7.6	17.7	5784	92.8	4.1	7038	90.2	6.4
4551	14.1	21.7	5815	92.1	2.3	7069	89.6	1.9
4582	20.8	21.6	5847	91.9	0.6	7101	89.7	0.3
4614	27.9	22.2	5878	92.2	1.0	7132	89.8	0.5
4642	33.5	20.0	5909	92.4	0.6	7164	89.9	1.0
4674	38.4	15.5	5941	92.6	1.1	7195	88.8	3.5
4705	43.0	15.0	5972	92.8	0.6	7225	88.6	1.2
4736	44.7	5.7	6004	92.8	0.3	7256	88.7	0.5
4768	44.9	1.7	6035	92.9	0.3	7288	89.7	3.1
4800	48.0	9.7	6067	93.1	0.9	7319	90.3	2.5
4831	52.2	13.6	6098	93.2	0.7	7351	90.7	1.3
4863	54.3	6.6	6129	92.4	2.6	7383	90.9	0.6
4894	57.7	11.0	6161	92.4	0.3	7414	91.2	1.0
4926	62.3	14.4	6193	92.6	1.4	7446	91.4	0.6
4958	66.3	12.5	6223	91.4	3.7	7478	90.4	3.4
4990	70.0	11.6	6255	91.2	0.9	7509	90.1	1.0
5021	74.7	15.2	6286	91.4	0.6	7540	90.1	0.3
5053	79.4	14.7	6315	91.5	0.8	7571	90.6	1.6
5084	84.2	15.5	6347	91.6	1.6	7603	91.3	2.2
5116	89.4	16.3	6379	91.4	1.1	7634	91.6	1.0
5147	91.8	7.7	6410	91.8	1.4	7665	90.5	3.6
5179	92.1	0.9	6442	91.9	0.7	7696	90.4	0.7
5210	93.9	5.8	6472	92.1	1.5	7727	90.9	1.7
5242	94.2	0.9	6503	92.2	0.3	7758	91.4	1.9
5273	94.0	0.6	6534	92.4	0.6	7790	90.2	4.1
5305	93.8	0.6	6566	92.9	2.2	7821	90.0	0.6
5336	94.2	1.3	6597	92.9	0.0	7853	90.0	0.0
5368	94.3	0.3	6629	92.9	1.6	7885	90.4	1.3
5399	94.7	1.3	6660	92.2	2.3	7916	91.1	2.3
5441	94.8	0.3	6692	92.1	1.3	7948	91.7	2.0
5472	94.9	1.3	6723	92.4	1.6	7979	90.4	4.2
5504	95.8	2.9	6755	92.5	1.0	8010	90.0	1.4
5535	96.1	1.6	6787	92.5	0.3	8042	90.3	1.1
5567	96.2	0.7	6818	92.7	0.6	8073	90.6	1.4
5598	96.4	0.9	6850	92.9	0.6	8104	90.9	1.2
5628	95.7	4.3	6881	93.0	1.3	8163	90.9	0.0
5660	95.7	0.3	6911	93.2	0.7			
5691	95.8	1.3	6943	91.8	4.4			

Wolfcamp Perfs:

Group 1 7352', 7502', 7651', 7800', 7951' & 8100' (48 JH's, 6 spf/1.33')
Group 2 6450', 6600', 6750', 6900' & 7050' (40 JH's, 6 spf/1.33)
Group 3 5400', 5520', 5650', 5800', 5950' & 6100' (48 JH's, 6 spf/1.33)

5-1/2" 17# HCP110 LTC @ 8163'

w/ 550 sx Interfill C w/ 1/4# pps flocele (11.9 / 2.45) and
350 sx Howco Acid Soluble Cement w/ 0.7% Halad
344, 0.2% FWCA & 0.2% HR-601 (15.0 / 2.48)
Circ 87 sx. (AHS = 8.76")

3479' VS Single Lateral

MEE: 08/25/06

OPERATOR DAVID H. ARRINGTON OIL & GAS, INC.
WELL/LEASE COLT MIDGE FED. 6 #1H
COUNTY EDDY

624-0113

MAR 10 2006

STATE OF NEW MEXICO
DEVIATION REPORT

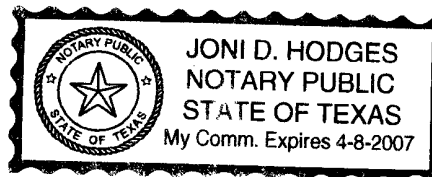
450	0.75
922	1.00
1,389	0.75
1,870	0.25
2,359	0.75
2,859	0.50
3,358	0.25
3,855	0.50
4,328	0.25
4,801	1.00

BY: Steve Moore

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on March 9, 2006, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires: 4/08/07





SURVEY CALCULATION PROGRAM

v1.00.02

OPERATOR:	David H. Arrington Oil & Gas	Supervisors:	
WELL:	Colt Midge Fed. 6 #1H	Mike Baldwin	
LOCATION:	Eddy Co., New Mexico	Joe Trevino	
JOB NUMBER:	MI-06048	Joel Hendrix	
COMMENTS:			
Target Change #1 to 4868.30' TVD @ 0° VS w/ 2.51° up dip -2/26/06 @ 6 P.M. (14' TVD up from original)		MAG DEC.(-/+)	8.73
		GRID CORR.(-/+)	0.15
		TOTAL CORR.(-/+)	8.87

DATE: 03/03/06

TIME: 10:24 AM

MINIMUM CURVATURE CALCULATIONS(SPE-3362) PROPOSED DIRECTION								181.04	TARGET TRACKING TO CENTER	
SVY		TRUE				DLS/		ABOVE(+)	RIGHT(+)	
NUM	MD	INC	AZM	TVD	SECT	N-S	E-W	100	BELOW(-)	LEFT(-)

Tie In	4400	0.51	332.34	4399.88	-0.21	0.37	-8.66	0.00	468.4	8.7
1	4490	2.1	180.1	4489.9	1.1	-0.9	-8.8	2.8	378.4	8.8
2	4521	7.6	178.7	4520.7	3.7	-3.5	-8.8	17.7	347.4	8.7
3	4551	14.1	178.0	4550.2	9.3	-9.2	-8.6	21.7	317.7	8.5
4	4582	20.8	178.0	4579.7	18.6	-18.5	-8.3	21.6	287.7	8.0
5	4614	27.9	178.7	4608.9	31.8	-31.7	-7.9	22.2	258.0	7.4
6	4642	33.5	179.4	4632.9	46.1	-45.9	-7.7	20.0	233.3	6.9
7	4674	38.4	180.8	4658.8	64.8	-64.7	-7.8	15.5	206.6	6.6
8	4705	43.0	181.8	4682.3	85.1	-84.9	-8.2	15.0	182.2	6.7
9	4736	44.7	182.5	4704.7	106.5	-106.4	-9.0	5.7	158.9	7.1
10	4768	44.9	183.2	4727.4	129.1	-128.9	-10.2	1.7	135.2	7.8
11	4800	48.0	183.6	4749.4	152.2	-152.0	-11.5	9.7	112.2	8.8
12	4831	52.2	183.9	4769.3	176.0	-175.8	-13.1	13.6	91.3	9.9
13	4863	54.3	184.3	4788.5	201.6	-201.3	-14.9	6.6	71.0	11.3
14	4894	57.7	184.3	4805.8	227.2	-227.0	-16.8	11.0	52.5	12.7
15	4926	62.3	183.9	4821.8	254.9	-254.6	-18.8	14.4	35.3	14.2
16	4958	66.3	183.6	4835.7	283.7	-283.4	-20.7	12.5	20.2	15.6
17	4990	70.0	183.2	4847.6	313.4	-313.0	-22.5	11.6	7.0	16.8
18	5021	74.7	182.9	4857.0	342.9	-342.5	-24.0	15.2	-3.7	17.8
19	5053	79.4	182.9	4864.1	374.0	-373.6	-25.6	14.7	-12.2	18.8
20	5084	84.2	183.2	4868.6	404.7	-404.3	-27.2	15.5	-18.0	19.9
21	5116	89.4	183.2	4870.4	436.6	-436.2	-29.0	16.3	-21.2	21.1
22	5147	91.8	183.2	4870.0	467.6	-467.1	-30.8	7.7	-22.2	22.3
23	5179	92.1	183.2	4868.9	499.6	-499.0	-32.5	0.9	-22.5	23.5
24	5210	93.9	183.2	4867.3	530.5	-530.0	-34.3	5.8	-22.3	24.7
25	5242	94.2	183.2	4865.1	562.4	-561.8	-36.1	0.9	-21.4	25.9
26	5273	94.0	183.2	4862.8	593.3	-592.7	-37.8	0.6	-20.5	27.0
27	5305	93.8	183.2	4860.7	625.2	-624.6	-39.6	0.6	-19.8	28.2
28	5336	94.2	183.2	4858.5	656.1	-655.4	-41.3	1.3	-19.0	29.4
29	5368	94.3	183.2	4856.1	688.0	-687.3	-43.1	0.3	-18.0	30.6
30	5399	94.7	183.2	4853.7	718.9	-718.2	-44.8	1.3	-16.9	31.8



SURVEY CALCULATION PROGRAM

v1.00.02

OPERATOR:	David H. Arrington Oil & Gas	Supervisors:
WELL:	Colt Midge Fed. 6 #1H	Mike Baldwin
LOCATION:	Eddy Co., New Mexico	Joe Trevino
JOB NUMBER:	MI-06048	Joel Hendrix
COMMENTS:		
Target Change #1 to 4868.30' TVD @ 0° VS w/ 2.51° up dip -2/26/06 @ 6 P.M. (14' TVD up from original)		MAG DEC.(-/+)
		8.73
		GRID CORR.(-/+)
		0.15
		TOTAL CORR.(-/+)
		8.87

DATE: 03/03/06

TIME: 10:24 AM

MINIMUM CURVATURE CALCULATIONS(SPE-3362) PROPOSED DIRECTION								181.04	TARGET TRACKING TO CENTER	
SVY	MD	INC	TRUE	TVD	SECT	N-S	E-W	DLS/100	ABOVE(+)	RIGHT(+)
NUM			AZM						BELOW(-)	LEFT(-)

31	5441	94.8	183.1	4850.2	760.7	-760.0	-47.1	0.3	-15.3	33.3
32	5472	94.9	182.7	4847.6	791.6	-790.8	-48.7	1.3	-14.0	34.3
33	5504	95.8	182.5	4844.6	823.4	-822.6	-50.1	2.9	-12.4	35.2
34	5535	96.1	182.9	4841.4	854.2	-853.4	-51.6	1.6	-10.5	36.1
35	5567	96.2	182.7	4838.0	886.0	-885.2	-53.1	0.7	-8.5	37.0
36	5598	96.4	182.9	4834.6	916.8	-916.0	-54.6	0.9	-6.5	38.0
37	5628	95.7	181.8	4831.4	946.7	-945.8	-55.8	4.3	-4.6	38.7
38	5660	95.7	181.7	4828.2	978.5	-977.6	-56.8	0.3	-2.8	39.1
39	5691	95.8	181.3	4825.1	1009.3	-1008.5	-57.6	1.3	-1.1	39.3
40	5721	94.4	181.3	4822.5	1039.2	-1038.3	-58.3	4.7	0.3	39.4
41	5753	94.0	181.0	4820.1	1071.1	-1070.2	-58.9	1.6	1.2	39.5
42	5784	92.8	180.6	4818.3	1102.1	-1101.2	-59.4	4.1	1.7	39.4
43	5815	92.1	180.6	4817.0	1133.0	-1132.1	-59.7	2.3	1.7	39.1
44	5847	91.9	180.6	4815.8	1165.0	-1164.1	-60.0	0.6	1.4	38.9
45	5878	92.2	180.6	4814.7	1196.0	-1195.1	-60.4	1.0	1.1	38.7
46	5909	92.4	180.6	4813.5	1227.0	-1226.1	-60.7	0.6	1.0	38.4
47	5941	92.6	180.3	4812.1	1258.9	-1258.0	-60.9	1.1	1.0	38.1
48	5972	92.8	180.3	4810.6	1289.9	-1289.0	-61.1	0.6	1.1	37.7
49	6004	92.8	180.4	4809.1	1321.9	-1321.0	-61.3	0.3	1.3	37.3
50	6035	92.9	180.4	4807.5	1352.8	-1351.9	-61.5	0.3	1.5	37.0
51	6067	93.1	180.6	4805.8	1384.8	-1383.9	-61.8	0.9	1.7	36.7
52	6098	93.2	180.4	4804.1	1415.7	-1414.8	-62.1	0.7	2.1	36.4
53	6129	92.4	180.4	4802.6	1446.7	-1445.8	-62.3	2.6	2.3	36.0
54	6161	92.4	180.3	4801.3	1478.7	-1477.8	-62.5	0.3	2.2	35.6
55	6193	92.5	179.9	4799.9	1510.6	-1509.7	-62.5	1.3	2.2	35.1
56	6223	91.4	179.7	4798.9	1540.6	-1539.7	-62.4	3.7	1.9	34.5
57	6255	91.2	179.9	4798.2	1572.6	-1571.7	-62.3	0.9	1.2	33.8
58	6286	91.4	179.9	4797.5	1603.6	-1602.7	-62.2	0.6	0.5	33.1
59	6315	91.5	180.1	4796.7	1632.6	-1631.7	-62.2	0.8	0.0	32.6
60	6347	91.6	180.6	4795.9	1664.5	-1663.7	-62.4	1.6	-0.5	32.2
61	6379	91.4	180.3	4795.0	1696.5	-1695.7	-62.7	1.1	-1.1	31.9



SURVEY CALCULATION PROGRAM

v1.00.02

OPERATOR:	David H. Arrington Oil & Gas	Supervisors:
WELL:	Colt Midge Fed. 6 #1H	Mike Baldwin
LOCATION:	Eddy Co., New Mexico	Joe Trevino
JOB NUMBER:	MI-06048	Joel Hendrix
COMMENTS:		
Target Change #1 to 4868.30' TVD @ 0° VS w/ 2.51° up dip -2/26/06 @ 6 P.M. (14' TVD up from original)		MAG DEC.(-/+)
		8.73
		GRID CORR.(-/+)
		0.15
		TOTAL CORR.(-/+)
		8.87

DATE: 03/03/06

TIME: 10:24 AM

MINIMUM CURVATURE CALCULATIONS(SPE-3362) PROPOSED DIRECTION 181.04

TARGET TRACKING
TO CENTER

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)
62	6410	91.8	180.1	4794.2	1727.5	-1726.7	-62.8	1.4	-1.6	31.5
63	6442	91.9	179.9	4793.1	1759.5	-1758.6	-62.8	0.7	-2.0	30.9
64	6472	92.1	180.3	4792.1	1789.5	-1788.6	-62.9	1.5	-2.2	30.4
65	6503	92.2	180.3	4790.9	1820.5	-1819.6	-63.0	0.3	-2.4	30.0
66	6534	92.4	180.3	4789.7	1851.4	-1850.6	-63.2	0.6	-2.5	29.6
67	6566	92.9	180.8	4788.2	1883.4	-1882.5	-63.5	2.2	-2.5	29.3
68	6597	92.9	180.8	4786.6	1914.3	-1913.5	-63.9	0.0	-2.3	29.2
69	6629	92.9	180.3	4785.0	1946.3	-1945.5	-64.2	1.6	-2.0	28.9
70	6660	92.2	180.1	4783.6	1977.3	-1976.4	-64.3	2.3	-2.0	28.5
71	6692	92.1	179.7	4782.4	2009.2	-2008.4	-64.3	1.3	-2.2	27.8
72	6723	92.4	180.1	4781.2	2040.2	-2039.4	-64.2	1.6	-2.4	27.2
73	6755	92.5	180.4	4779.9	2072.2	-2071.4	-64.4	1.0	-2.4	26.8
74	6787	92.5	180.3	4778.5	2104.1	-2103.3	-64.6	0.3	-2.4	26.4
75	6818	92.7	180.3	4777.0	2135.1	-2134.3	-64.7	0.6	-2.3	26.0
76	6850	92.9	180.3	4775.5	2167.1	-2166.3	-64.9	0.6	-2.2	25.6
77	6881	93.0	179.9	4773.9	2198.0	-2197.2	-64.9	1.3	-1.9	25.1
78	6911	93.2	179.9	4772.3	2228.0	-2227.2	-64.9	0.7	-1.6	24.5
79	6943	91.8	179.9	4770.9	2259.9	-2259.1	-64.8	4.4	-1.6	23.8
80	6975	91.6	179.9	4769.9	2291.9	-2291.1	-64.8	0.6	-2.1	23.2
81	7006	92.2	180.1	4768.9	2322.9	-2322.1	-64.8	2.0	-2.4	22.6
82	7038	90.2	179.6	4768.2	2354.9	-2354.1	-64.7	6.4	-3.2	22.0
83	7069	89.6	179.6	4768.3	2385.9	-2385.1	-64.5	1.9	-4.6	21.2
84	7101	89.7	179.6	4768.5	2417.9	-2417.1	-64.3	0.3	-6.2	20.4
85	7132	89.8	179.7	4768.6	2448.9	-2448.1	-64.1	0.5	-7.7	19.6
86	7164	89.9	179.4	4768.7	2480.8	-2480.1	-63.8	1.0	-9.1	18.8
87	7195	88.8	179.4	4769.0	2511.8	-2511.1	-63.5	3.5	-10.9	17.9
88	7225	88.6	179.7	4769.7	2541.8	-2541.1	-63.3	1.2	-12.8	17.1
89	7256	88.7	179.6	4770.5	2572.8	-2572.1	-63.1	0.5	-14.9	16.4
90	7288	89.7	179.6	4770.9	2604.8	-2604.1	-62.8	3.1	-16.8	15.6
91	7319	90.3	180.1	4770.9	2635.8	-2635.1	-62.8	2.5	-18.1	14.9
92	7351	90.7	180.1	4770.6	2667.8	-2667.1	-62.8	1.3	-19.3	14.4

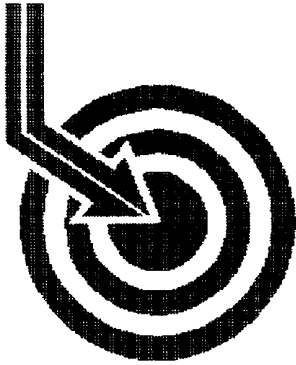


SURVEY CALCULATION PROGRAM

v1.00.02

OPERATOR:	David H. Arrington Oil & Gas	Supervisors:	
WELL:	Colt Midge Fed. 6 #1H	Mike Baldwin	
LOCATION:	Eddy Co., New Mexico	Joe Trevino	
JOB NUMBER:	MI-06048	Joel Hendrix	
COMMENTS:			
Target Change #1 to 4868.30' TVD @ 0° VS w/ 2.51° up dip -2/26/06 @ 6 P.M. (14' TVD up from original)		MAG DEC.(-/+)	8.73
		GRID CORR.(-/+)	0.15
		TOTAL CORR.(-/+)	8.87
DATE: 03/03/06		TIME: 10:24 AM	▼

MINIMUM CURVATURE CALCULATIONS(SPE-3362) PROPOSED DIRECTION									181.04	TARGET TRACKING	
										TO CENTER	
SVY				TRUE				DLS/	ABOVE(+)	RIGHT(+)	
NUM	MD	INC	AZM	TVD	SECT	N-S	E-W	100	BELOW(-)	LEFT(-)	
93	7383	90.9	180.1	4770.2	2699.8	-2699.1	-62.9	0.6	-20.2	13.9	
94	7414	91.2	180.1	4769.6	2730.7	-2730.1	-62.9	1.0	-21.0	13.4	
95	7446	91.4	180.1	4768.9	2762.7	-2762.0	-63.0	0.6	-21.7	12.8	
96	7478	90.4	179.7	4768.4	2794.7	-2794.0	-62.9	3.4	-22.6	12.2	
97	7509	90.1	179.7	4768.2	2825.7	-2825.0	-62.8	1.0	-23.8	11.5	
98	7540	90.1	179.6	4768.2	2856.7	-2856.0	-62.6	0.3	-25.1	10.7	
99	7571	90.6	179.6	4768.0	2887.7	-2887.0	-62.4	1.6	-26.3	9.9	
100	7603	91.3	179.7	4767.5	2919.7	-2919.0	-62.2	2.2	-27.2	9.2	
101	7634	91.6	179.6	4766.7	2950.7	-2950.0	-62.0	1.0	-27.7	8.4	
102	7665	90.5	179.4	4766.1	2981.6	-2981.0	-61.7	3.6	-28.5	7.6	
103	7696	90.4	179.6	4765.9	3012.6	-3012.0	-61.4	0.7	-29.6	6.8	
104	7727	90.9	179.4	4765.5	3043.6	-3043.0	-61.2	1.7	-30.6	5.9	
105	7758	91.4	179.7	4764.9	3074.6	-3074.0	-60.9	1.9	-31.4	5.1	
106	7790	90.2	179.2	4764.5	3106.6	-3106.0	-60.6	4.1	-32.3	4.2	
107	7821	90.0	179.2	4764.4	3137.6	-3137.0	-60.2	0.6	-33.6	3.2	
108	7853	90.0	179.2	4764.4	3169.6	-3169.0	-59.7	0.0	-35.0	2.2	
109	7885	90.4	179.2	4764.3	3201.5	-3201.0	-59.3	1.3	-36.3	1.2	
110	7916	91.1	179.4	4763.9	3232.5	-3232.0	-58.9	2.3	-37.3	0.2	
111	7948	91.7	179.6	4763.1	3264.5	-3264.0	-58.6	2.0	-37.9	-0.6	
112	7979	90.4	179.7	4762.5	3295.5	-3295.0	-58.4	4.2	-38.7	-1.4	
113	8010	90.0	179.4	4762.4	3326.5	-3326.0	-58.2	1.6	-39.9	-2.2	
114	8042	90.3	179.6	4762.3	3358.5	-3358.0	-57.9	1.1	-41.3	-3.0	
115	8073	90.6	179.9	4762.1	3389.5	-3389.0	-57.8	1.4	-42.4	-3.7	
116	8104	90.9	179.7	4761.7	3420.4	-3420.0	-57.7	1.2	-43.3	-4.4	
PBHL	8163	90.9	179.7	4760.8	3479.4	-3478.9	-57.4	0.0	-45.0	-5.8	



Scientific Drilling

DAVID H. ARRINGTON OIL & GAS

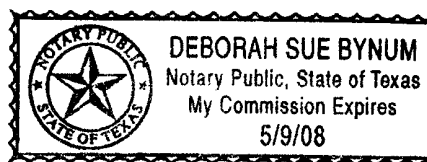
Field: Wildcat
Site: Eddy County, NM
Well: Colt Midge Federal 6 #1H
Wellpath: VH - Job #32K0206134
Survey: 02/17/06

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

David H. Arrington.....Company Representative

Notorized this date 6th of March, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: DAVID H. ARRINGTON OIL & GAS	Date: 02/20/2006	Time: 09:25:42	Page: 1
Field: Wildcat	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Colt Midge Federal 6 #1H	Section (VS) Reference:	Well (0.00N,0.00E,304.23Azi)	
Wellpath: VH - Job #32K0206134	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 02/17/06	Start Date: 02/17/2006
KSRG 0'-5335'	
Company: Scientific Drilling Internatio	Engineer: Gonzales w/P&M
Tool: Keeper;Keeper Gyro	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.27	88.34	100.00	-0.19	0.01	0.24	0.27	0.24	88.34
200.00	0.54	108.91	200.00	-0.84	-0.14	0.92	0.30	0.93	98.62
300.00	0.44	120.34	299.99	-1.67	-0.49	1.69	0.14	1.76	106.00
400.00	0.66	124.90	399.99	-2.63	-1.01	2.50	0.22	2.69	112.00
500.00	0.80	132.12	499.98	-3.90	-1.81	3.49	0.17	3.93	117.39
600.00	0.80	130.73	599.97	-5.29	-2.73	4.53	0.02	5.29	121.05
700.00	0.84	124.47	699.96	-6.71	-3.60	5.67	0.10	6.72	122.43
800.00	0.50	135.65	799.95	-7.87	-4.33	6.58	0.36	7.87	123.34
900.00	0.48	146.87	899.95	-8.69	-4.99	7.11	0.10	8.69	125.06
1000.00	0.17	127.21	999.95	-9.22	-5.43	7.46	0.32	9.23	126.06
1100.00	0.18	195.20	1099.95	-9.42	-5.67	7.54	0.20	9.43	126.97
1200.00	0.14	205.47	1199.95	-9.49	-5.93	7.44	0.05	9.52	128.57
1300.00	0.15	216.93	1299.95	-9.50	-6.15	7.31	0.03	9.55	130.07
1400.00	0.11	191.30	1399.95	-9.53	-6.35	7.21	0.07	9.61	131.35
1500.00	0.14	212.48	1499.95	-9.58	-6.55	7.13	0.05	9.68	132.56
1600.00	0.17	238.61	1599.95	-9.52	-6.73	6.94	0.08	9.66	134.12
1700.00	0.17	288.00	1699.95	-9.31	-6.76	6.67	0.14	9.49	135.38
1800.00	0.38	267.20	1799.94	-8.91	-6.73	6.20	0.23	9.15	137.35
1900.00	0.43	294.00	1899.94	-8.27	-6.59	5.52	0.19	8.60	140.04
2000.00	0.44	292.81	1999.94	-7.53	-6.29	4.83	0.01	7.93	142.50
2100.00	0.26	303.07	2099.94	-6.92	-6.02	4.28	0.19	7.38	144.56
2200.00	0.42	301.08	2199.94	-6.33	-5.70	3.78	0.16	6.84	146.48
2300.00	0.46	302.03	2299.93	-5.56	-5.30	3.12	0.04	6.15	149.50
2400.00	0.42	307.99	2399.93	-4.80	-4.86	2.49	0.06	5.47	152.85
2500.00	0.25	313.15	2499.93	-4.22	-4.49	2.05	0.17	4.93	155.49
2600.00	0.20	297.05	2599.93	-3.83	-4.26	1.73	0.08	4.60	157.88
2700.00	0.19	306.26	2699.93	-3.49	-4.08	1.44	0.03	4.33	160.54
2800.00	0.28	296.87	2799.93	-3.08	-3.87	1.09	0.10	4.02	164.28
2900.00	0.18	296.47	2899.93	-2.68	-3.69	0.73	0.10	3.77	168.79
3000.00	0.20	311.18	2999.92	-2.35	-3.51	0.46	0.05	3.54	172.53
3100.00	0.09	275.05	3099.92	-2.11	-3.39	0.25	0.14	3.40	175.77
3200.00	0.18	302.02	3199.92	-1.89	-3.30	0.04	0.11	3.30	179.32
3300.00	0.31	305.26	3299.92	-1.46	-3.06	-0.31	0.13	3.07	185.88
3400.00	0.35	297.59	3399.92	-0.89	-2.76	-0.81	0.06	2.87	196.29
3500.00	0.33	294.65	3499.92	-0.30	-2.50	-1.34	0.03	2.83	208.19
3600.00	0.35	277.47	3599.92	0.26	-2.34	-1.90	0.10	3.01	219.15
3700.00	0.42	271.53	3699.92	0.84	-2.29	-2.57	0.08	3.44	228.35
3800.00	0.55	289.41	3799.91	1.61	-2.12	-3.39	0.20	4.00	238.00
3900.00	0.54	288.30	3899.91	2.53	-1.81	-4.29	0.01	4.66	247.11
4000.00	0.66	285.48	3999.90	3.53	-1.51	-5.29	0.12	5.51	254.08
4100.00	0.64	281.35	4099.90	4.59	-1.25	-6.40	0.05	6.52	258.97
4200.00	0.59	298.55	4199.89	5.61	-0.89	-7.40	0.19	7.45	263.14
4300.00	0.50	315.72	4299.89	6.55	-0.33	-8.15	0.19	8.16	267.67
4400.00	0.51	332.34	4399.88	7.37	0.37	-8.66	0.15	8.67	272.48
4500.00	0.58	338.01	4499.88	8.19	1.24	-9.06	0.09	9.15	277.78
4600.00	0.63	336.25	4599.87	9.07	2.21	-9.47	0.05	9.73	283.14
4700.00	0.82	336.97	4699.86	10.14	3.37	-9.97	0.19	10.53	288.68
4800.00	0.82	337.89	4799.85	11.34	4.69	-10.52	0.01	11.52	294.04



Scientific Drilling International

Survey Report

Company: DAVID H. ARRINGTON OIL & GAS
Field: Wildcat
Site: Eddy County, NM
Well: Colt Midge Federal 6 #1H
Wellpath: VH - Job #32K0206134

Date: 02/20/2006 Time: 09:25:42 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,304.23Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

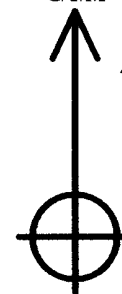
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
4900.00	0.78	333.63	4899.84	12.53	5.97	-11.09	0.07	12.60	298.27
5000.00	0.73	331.60	4999.83	13.69	7.14	-11.70	0.06	13.70	301.38
5100.00	0.59	321.92	5099.83	14.74	8.10	-12.32	0.18	14.75	303.33
5200.00	0.66	313.00	5199.82	15.80	8.90	-13.06	0.12	15.80	304.28
5300.00	0.55	292.90	5299.82	16.84	9.48	-13.92	0.24	16.84	304.25
5335.00	0.28	322.87	5334.82	17.09	9.61	-14.13	0.97	17.09	304.23



Scientific
Drilling

Field: Wildcat
Site: Eddy County, NM
Well: Colt Midge Federal 6 #1H
Wellpath: VH - Job #32K0206134
Survey: 02/17/06

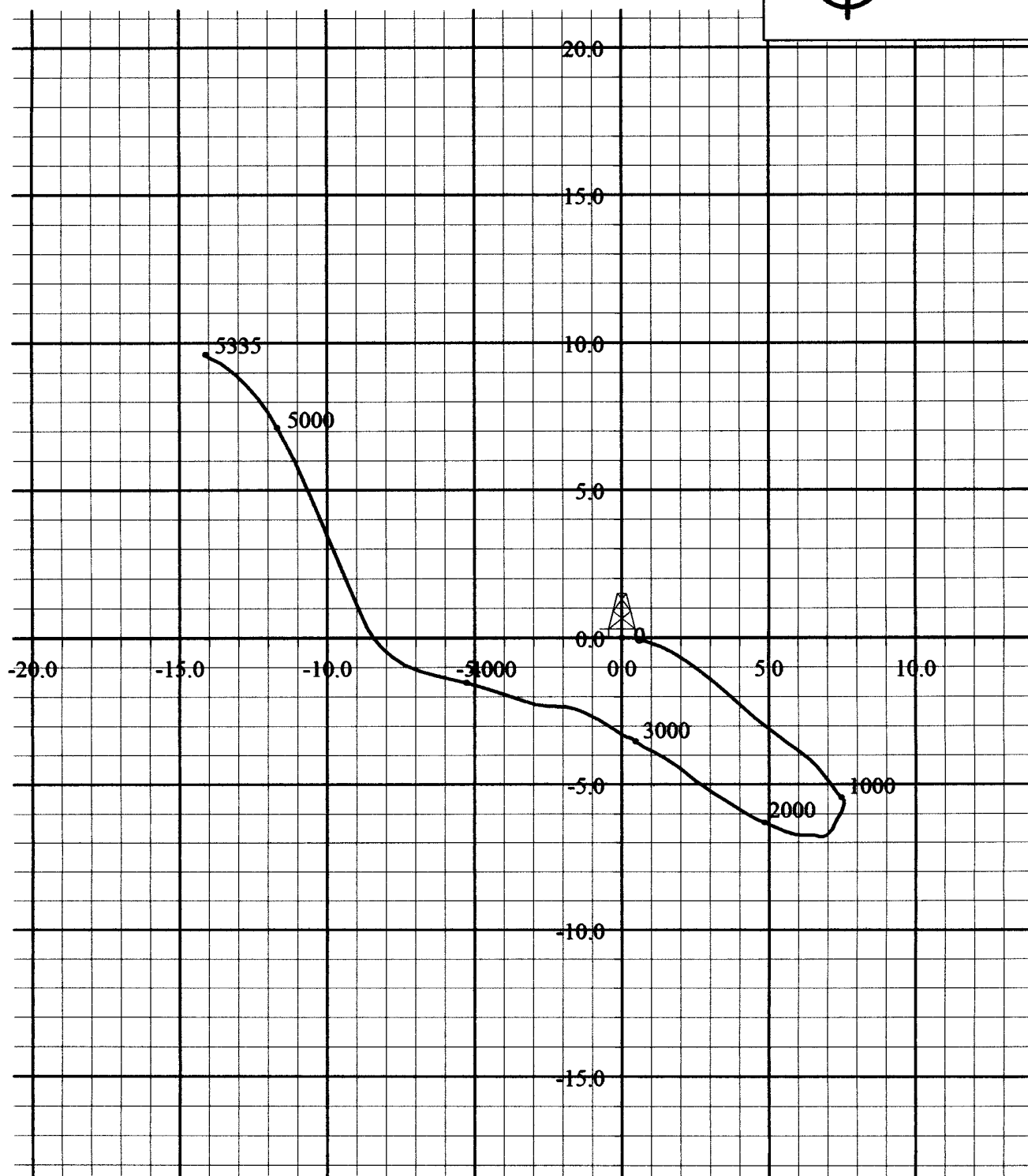
G/T/M



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 02/20/2006
Model: igrf2000

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



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