

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Mewbourne Oil Company 14744

3a. Address
PO Box 5270 Hobbs, NM 88241

3b. Phone No. (include area code)
575-393-5905

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)

SL 330' FSL & 990' FEL, Sec 5-T20S-R29E Unit Letter P
BHL 334' FNL & 421' FEL, Sec 5 -T20S - R29E Unit Letter A

5. Lease Serial No.

NMNM-0144698

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Colt 5 Federal #3H

9. API Well No.

30-015-38064

10. Field and Pool, or Exploratory Area

Winchester Bone Spring 65010

11. County or Parish, State

Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

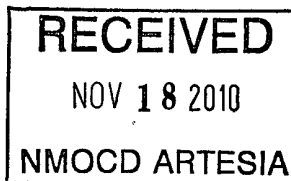
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final-Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Completion Sundry</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/31/10 Frac 17 stages w/17,000 gals 15% HCl, 935,000 gals of Viking 2000 carrying 1,000,000# 20/40 sand tailed w/245,000# SB Excel 20/40. Flowback for cleanup.

11/04/10 RIH w/2 7/8" J55 & L80 6.5# tbgt to 7485'.

11/05/10 Put well on production.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jackie Lathan

Title Hobbs Regulatory

Signature

Jackie Lathan

Date 11/17/10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)

Name
(Printed/Typed)

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date

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.

(Continued on next page)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 20045. Lease Serial No.
NMNM-01446981a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

Mewbourne Oil Company 14744

3. Address

PO Box 5270 Hobbs, NM 88241

3a. Phone No. (include area code)

575-393-5905

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

At surface 330' FSL & 990' FEL, Unit P Sec 5, T20S, R29E

At top prod. interval reported below

At total depth 334' FNL & 421' FEL, Unit A, Sec 5, T20S, R29E

8. Lease Name and Well No.

Colt 5 Federal #3H

9. API Well No.

30-015-38064

10. Field and Pool, or Exploratory

Winchester Bone Spring 65010

11. Sec., T., R., M., on Block and Survey
or Area Sec 5-T20S-R29E

12. County or Parish

Eddy

13. State

NM

14. Date Spudded

08/27/10

15. Date T.D. Reached

09/27/10

16. Date Completed

☐ D & A☒ Ready to Prod.

11/05/10

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

3291' GL

18. Total Depth: MD 12376'
TVD 7927'19. Plug Back T.D.: MD 12339'
TVD 7927'20. Depth Bridge Plug Set: MD NA
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Gyro/ GR/Resistivity/ Neutron

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26"	20" J55	94	0	323'		880 H & C	216	Surface	NA
17 1/2"	13 3/8" K55	61, 54.5	0	1277'		1100 C	393	Surface	NA
12 1/4"	9 5/8" J/N	40	0	3301'		1080 H & C	362	Surface	NA
8 3/4"	7" P110	26	0	8307'		1100 H	347	Surface	NA
6 1/8"	4 1/2" P110	11.6	8000'	12355' MD	Liner	NA	NA	NA	NA

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"	7485'	7390'						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Springs	5655' MD	7927' MD	8367' - 12330' MD	Ports	17	Open
B)			7926' - 7927' TVD			
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
8367' - 12330' MD	Frac w/17,000 gals 15% HCl, 935,000 gals Viking 2000 carrying 1,000,000# 20/40 sand, tailed w/245,000# SB Excel 20/40.

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
11/05/10	11/08/10	24	→	371	621	794	43	0.782	Gas Lift
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
NA	80	1050	→	371	621	794	1674	Open	

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NMOCD ARTESIA

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	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on next page)

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.)

SOLD

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
				Salt	520
				Base of Salt	726
				Yates	1083
				Queen	1280
				Capitan Reef	1336
				Deleware	3368
				Bone Spring	5655
				LTD	7344
				TD	7342

32. Additional remarks (include plugging procedure):

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NOV 18 2010
NMOCD ARTESIA

33. Circle enclosed attachments:

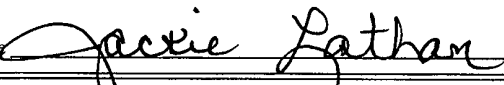
- ① Electrical/Mechanical Logs (1 full set req'd.) 2 Geologic Report 3 DST Report ④ Directional Survey
5 Sundry Notice for plugging and cement verification 6 Core Analysis ⑦ Other: Comp Sundry, Dev Report, C104, GYRO, Final C-102, C-144

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) Jackie Lathan

Title Hobbs Regulatory

Signature



Date 11/17/10

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

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Braxos 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

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38064	Pool Code 65010	Pool Name Winchester Bone Spring
Property Code	Property Name COLT "5" FEDERAL	Well Number 3H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3291'

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	5	20 S	29 E		330	SOUTH	990	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
A	5	20 S	29 E		33A	North	421	East	Eddy
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

RECEIVED NOV 18 2010 NMOCD ARTESIA	SURFACE LOCATION Lat - N 32°35'45.76" Long - W 104°05'28.73" NMSPC - E 574535.809 (NAD-27)	Project Area Producing Area Well Path End of Well bore End of Curve 330' 990'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Jackie Lathan 11/11/10 Signature Date Jackie Lathan Printed Name
			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 belief. O. GARY L. JONES NEW MEXICO Date Surveyed Signature & Seal of Professional Surveyor
			Certificate No. Gary L. Jones 7977
			Basin Surveys

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
COLT 5 FEDERAL # 3H
EDDY

RECEIVED

NOV 18 2010

NMOCD ARTESIA

STATE OF NEW MEXICO
DEVIATION REPORT

300	0.42
470	0.32
688	0.78
910	1.20
1,038	0.90
1,227	1.21
1,480	1.12
1,734	0.33
1,973	0.35
2,387	0.42
2,864	0.53
3,291	0.37
3,702	0.46
4,116	0.57
4,530	0.76
4,943	0.87
5,357	0.46
5,769	0.46
6,182	0.46
6,595	2.48
6,818	2.91
6,913	2.43
7,008	2.52
7,103	1.51

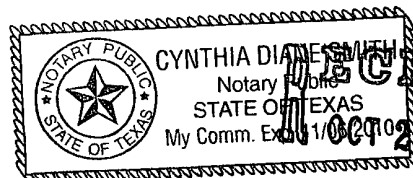
STATE OF TEXAS

COUNTY OF MIDLAND

BY: Cassandra Ramos

The foregoing instrument was acknowledged before me on October 12, 2010, by Cassandra Ramos on behalf of Patterson-UTL Drilling Company LLC.

Cynthia Diane Smith
Notary Public for Midland County, Texas
My Commission Expires:



BY:

Mewbourne Oil Company

Location: Eddy County, NM
Field: (Colt) Sec 5, T20S, R29E
Facility: Colt 5 Fed No. 3H

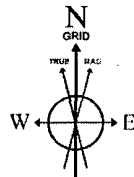
Slot: No. 3H SHL
Well: No. 3H
Wellbore: No. 3H PWB

Well Profile Data

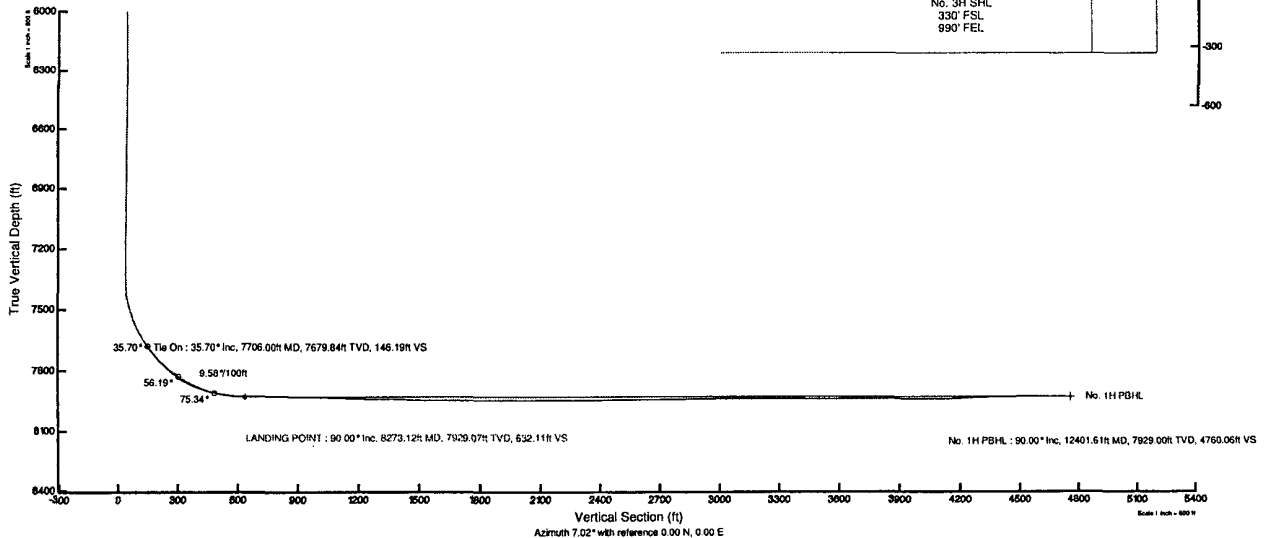
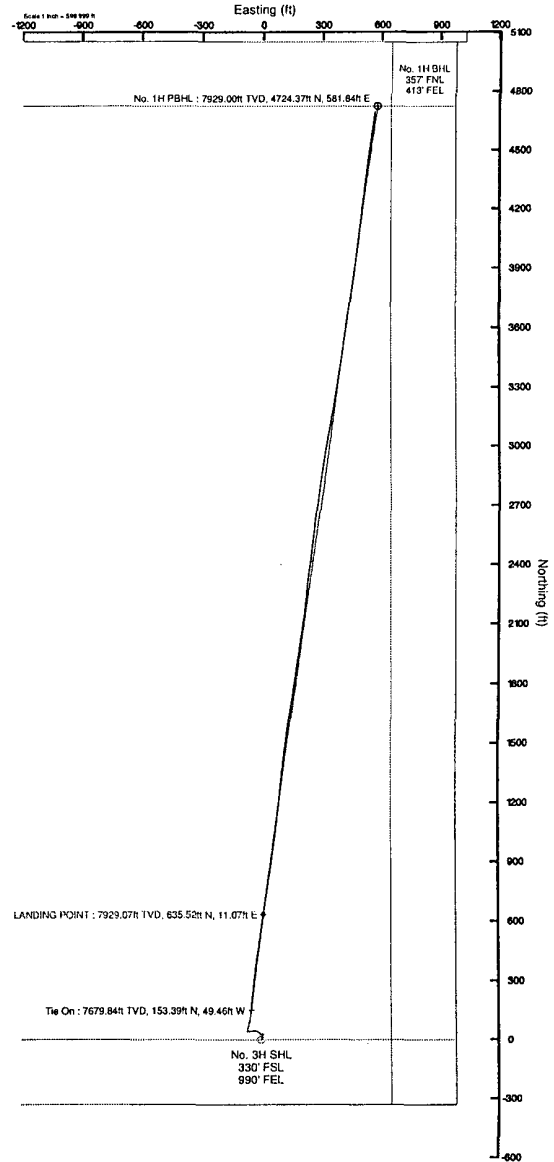
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	7706.00	35.700	5.800	7679.84	153.39	-49.46	0.00	146.19
LANDING POINT	8273.12	90.001	7.947	7929.07	635.52	11.07	9.58	632.11
No. 1H PBHL	12401.61	90.001	7.947	7929.00	4724.37	581.84	0.00	4760.06

Mewbourne Oil Company

Plot reference wellbore Plan #	Grid System: NAD83 / TM New Mexico State Plane, Eastern Zone (2011), US feet
True vertical depths are referenced to Rig on No. 3H SHL (KBI)	North Reference Grid north
Measured depths are referenced to Rig on No. 3H SHL (KBI)	Scale True Distance
Rig on No. 3H SHL (KBI) to Mean Sea Level 2958 feet	Depths are in feet
Mean Sea Level to North Sea Facility Grid 5 Foot No. 3H: 3291 feet	Created by Victor Hernandez on 8/27/2010
Coordinates are in feet referenced to East	



BGGM (1945.0 to 2011.0) Dip: 60.48° Field: 48959.4 nT
Magnetic North is 8.04 degrees East of True North (at 4/19/2010)
Grid North is 0.13 degrees East of True North
To correct azimuth from True to Grid subtract 0.13 degrees
To correct azimuth from Magnetic to Grid add 7.91 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.91 = 97.91



Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999915	Report Generated	9/27/2010 at 10:54:17 AM
Convergence at slot	0.13° East	Database/Source file	WA_Midland/No. 3H_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	574535.81	580637.34	32°35'45.759"N	104°05'28.726"W
Facility Reference Pt			574535.81	580637.34	32°35'45.759"N	104°05'28.726"W
Field Reference Pt			574535.81	580637.34	32°35'45.759"N	104°05'28.726"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 3H SHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 3H SHL (KB) to Mean Sea Level	3309.00ft
Vertical Reference Pt	Rig on No. 3H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 3H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	7.02°

Actual Wellpath Report

 Mewbourne Oil Company

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
0.00	0.000	331.620	0.00	0.00	0.00	0.00	574535.81	580637.34	32°35'45.759"N	104°05'28.726"W	0.00
100.00	0.170	331.620	100.00	0.12	0.13	-0.07	574535.74	580637.47	32°35'45.761"N	104°05'28.727"W	0.17
200.00	0.030	275.110	200.00	0.24	0.26	-0.17	574535.64	580637.60	32°35'45.762"N	104°05'28.728"W	0.16
300.00	0.010	266.790	300.00	0.24	0.27	-0.20	574535.61	580637.61	32°35'45.762"N	104°05'28.728"W	0.02
400.00	0.050	294.940	400.00	0.25	0.28	-0.25	574535.56	580637.62	32°35'45.762"N	104°05'28.729"W	0.04
500.00	0.190	27.250	500.00	0.42	0.45	-0.21	574535.60	580637.79	32°35'45.764"N	104°05'28.728"W	0.20
600.00	0.410	47.480	600.00	0.85	0.84	0.13	574535.93	580638.18	32°35'45.768"N	104°05'28.724"W	0.24
700.00	0.790	63.770	699.99	1.50	1.38	1.01	574536.82	580638.73	32°35'45.773"N	104°05'28.714"W	0.41
800.00	1.010	69.620	799.98	2.28	2.00	2.45	574538.26	580639.34	32°35'45.779"N	104°05'28.697"W	0.24
900.00	1.010	60.660	899.96	3.21	2.74	4.05	574539.86	580640.08	32°35'45.786"N	104°05'28.679"W	0.16
1000.00	0.790	37.090	999.95	4.33	3.72	5.23	574541.04	580641.06	32°35'45.796"N	104°05'28.665"W	0.43
1100.00	0.800	7.880	1099.94	5.62	4.96	5.74	574541.55	580642.30	32°35'45.808"N	104°05'28.659"W	0.40
1200.00	0.810	357.530	1199.93	7.02	6.36	5.81	574541.62	580643.70	32°35'45.822"N	104°05'28.658"W	0.15
1300.00	0.980	342.690	1299.92	8.49	7.88	5.52	574541.33	580645.22	32°35'45.837"N	104°05'28.661"W	0.29
1400.00	0.980	339.290	1399.91	10.03	9.49	4.97	574540.77	580646.84	32°35'45.853"N	104°05'28.668"W	0.06
1500.00	0.860	336.740	1499.89	11.44	10.98	4.37	574540.18	580648.32	32°35'45.868"N	104°05'28.675"W	0.13
1600.00	0.460	353.480	1599.89	12.47	12.07	4.03	574539.83	580649.41	32°35'45.879"N	104°05'28.679"W	0.44
1700.00	0.790	359.590	1699.88	13.55	13.16	3.97	574539.78	580650.50	32°35'45.890"N	104°05'28.679"W	0.34
1800.00	0.850	356.480	1799.87	14.96	14.59	3.92	574539.73	580651.93	32°35'45.904"N	104°05'28.680"W	0.07
1900.00	0.920	353.900	1899.86	16.47	16.13	3.79	574539.60	580653.47	32°35'45.919"N	104°05'28.681"W	0.08
2000.00	0.820	9.030	1999.85	17.97	17.63	3.82	574539.63	580654.97	32°35'45.934"N	104°05'28.681"W	0.25
2100.00	0.970	15.680	2099.84	19.52	19.16	4.16	574539.97	580656.50	32°35'45.949"N	104°05'28.677"W	0.18
2200.00	0.820	23.470	2199.82	21.04	20.63	4.68	574540.48	580657.97	32°35'45.963"N	104°05'28.671"W	0.19
2300.00	0.680	23.370	2299.81	22.30	21.83	5.20	574541.00	580659.17	32°35'45.975"N	104°05'28.665"W	0.14
2400.00	0.610	33.330	2399.81	23.35	22.82	5.72	574541.53	580660.16	32°35'45.985"N	104°05'28.658"W	0.13
2500.00	0.570	35.200	2499.80	24.26	23.67	6.30	574542.11	580661.01	32°35'45.993"N	104°05'28.652"W	0.04
2600.00	0.580	35.370	2599.80	25.15	24.49	6.88	574542.69	580661.83	32°35'46.002"N	104°05'28.645"W	0.01
2700.00	0.550	43.450	2699.79	25.98	25.25	7.51	574543.31	580662.59	32°35'46.009"N	104°05'28.638"W	0.09
2800.00	0.710	43.640	2799.79	26.86	26.05	8.26	574544.07	580663.38	32°35'46.017"N	104°05'28.629"W	0.16
2900.00	0.750	43.920	2899.78	27.88	26.97	9.14	574544.95	580664.30	32°35'46.026"N	104°05'28.618"W	0.04

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
3000.00	0.800	40.440	2999.77	28.99	27.97	10.05	574545.86	580665.31	32°35'46.036"N	104°05'28.608"W	0.07
3100.00	0.670	41.620	3099.76	30.05	28.94	10.89	574546.70	580666.28	32°35'46.045"N	104°05'28.598"W	0.13
3200.00	0.600	35.420	3199.76	30.99	29.80	11.58	574547.39	580667.14	32°35'46.054"N	104°05'28.590"W	0.10
3300.00	0.300	39.790	3299.75	31.67	30.43	12.06	574547.86	580667.77	32°35'46.060"N	104°05'28.584"W	0.30
3400.00	0.150	57.920	3399.75	31.98	30.70	12.33	574548.14	580668.04	32°35'46.063"N	104°05'28.581"W	0.16
3500.00	0.020	288.780	3499.75	32.06	30.77	12.43	574548.24	580668.11	32°35'46.064"N	104°05'28.580"W	0.16
3600.00	0.110	321.460	3599.75	32.13	30.86	12.35	574548.16	580668.19	32°35'46.064"N	104°05'28.581"W	0.09
3700.00	0.170	287.140	3699.75	32.23	30.97	12.15	574547.96	580668.31	32°35'46.066"N	104°05'28.583"W	0.10
3800.00	0.210	278.790	3799.75	32.26	31.05	11.83	574547.64	580668.38	32°35'46.066"N	104°05'28.587"W	0.05
3900.00	0.260	247.230	3899.75	32.15	30.99	11.44	574547.25	580668.32	32°35'46.066"N	104°05'28.591"W	0.14
4000.00	0.280	259.040	3999.75	31.96	30.85	10.99	574546.80	580668.19	32°35'46.064"N	104°05'28.597"W	0.06
4100.00	0.290	262.600	4099.75	31.82	30.77	10.50	574546.31	580668.11	32°35'46.064"N	104°05'28.602"W	0.02
4200.00	0.530	265.670	4199.74	31.67	30.70	9.79	574545.59	580668.04	32°35'46.063"N	104°05'28.611"W	0.24
4300.00	0.520	260.490	4299.74	31.45	30.60	8.88	574544.68	580667.93	32°35'46.062"N	104°05'28.621"W	0.05
4400.00	0.640	268.080	4399.74	31.23	30.50	7.87	574543.68	580667.84	32°35'46.061"N	104°05'28.633"W	0.14
4500.00	0.740	253.940	4499.73	30.89	30.30	6.69	574542.50	580667.64	32°35'46.059"N	104°05'28.647"W	0.20
4600.00	0.790	254.770	4599.72	30.38	29.94	5.41	574541.21	580667.28	32°35'46.056"N	104°05'28.662"W	0.05
4700.00	0.890	255.600	4699.71	29.84	29.57	3.99	574539.80	580666.91	32°35'46.052"N	104°05'28.679"W	0.10
4800.00	0.880	256.570	4799.70	29.28	29.20	2.49	574538.30	580666.54	32°35'46.048"N	104°05'28.696"W	0.02
4900.00	0.830	262.290	4899.69	28.83	28.92	1.02	574536.83	580666.26	32°35'46.046"N	104°05'28.713"W	0.10
5000.00	0.770	278.240	4999.68	28.66	28.92	-0.36	574535.45	580666.26	32°35'46.046"N	104°05'28.729"W	0.23
5100.00	0.730	283.030	5099.67	28.74	29.16	-1.64	574534.17	580666.50	32°35'46.048"N	104°05'28.744"W	0.07
5200.00	0.780	300.140	5199.66	29.08	29.65	-2.85	574532.96	580666.99	32°35'46.053"N	104°05'28.758"W	0.23
5300.00	0.900	311.400	5299.65	29.79	30.51	-4.03	574531.78	580667.85	32°35'46.061"N	104°05'28.772"W	0.20
5400.00	0.920	311.990	5399.64	30.69	31.57	-5.22	574530.59	580668.90	32°35'46.072"N	104°05'28.786"W	0.02
5500.00	0.980	317.480	5499.62	31.71	32.73	-6.39	574529.42	580670.07	32°35'46.083"N	104°05'28.800"W	0.11
5600.00	1.000	321.880	5599.61	32.88	34.05	-7.51	574528.30	580671.39	32°35'46.096"N	104°05'28.813"W	0.08
5700.00	1.090	329.360	5699.59	34.24	35.55	-8.53	574527.28	580672.89	32°35'46.111"N	104°05'28.825"W	0.16
5800.00	1.170	327.860	5799.57	35.79	37.24	-9.56	574526.25	580674.57	32°35'46.128"N	104°05'28.837"W	0.09
5900.00	1.500	310.070	5899.54	37.29	38.94	-11.10	574524.71	580676.28	32°35'46.145"N	104°05'28.855"W	0.33

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWP
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
6000.00	1.790	302.000	5999.50	38.67	40.61	-13.43	574522.38	580677.95	32°35'46.162"N	104°05'28.882"W	0.37
6100.00	2.210	295.720	6099.44	39.95	42.28	-16.49	574519.32	580679.62	32°35'46.178"N	104°05'28.918"W	0.47
6200.00	2.370	290.870	6199.36	41.06	43.85	-20.16	574515.65	580681.19	32°35'46.194"N	104°05'28.960"W	0.25
6300.00	2.440	287.570	6299.27	41.94	45.23	-24.12	574511.69	580682.57	32°35'46.207"N	104°05'29.007"W	0.16
6400.00	2.500	284.900	6399.18	42.63	46.43	-28.26	574507.55	580683.77	32°35'46.219"N	104°05'29.055"W	0.13
6500.00	2.710	276.320	6499.08	42.90	47.26	-32.72	574503.10	580684.59	32°35'46.228"N	104°05'29.107"W	0.44
6600.00	2.500	264.990	6598.98	42.42	47.33	-37.24	574498.57	580684.66	32°35'46.229"N	104°05'29.160"W	0.55
6700.00	2.480	260.980	6698.88	41.37	46.80	-41.55	574494.26	580684.13	32°35'46.223"N	104°05'29.210"W	0.18
6800.00	2.400	258.410	6798.79	40.10	46.04	-45.74	574490.08	580683.37	32°35'46.216"N	104°05'29.259"W	0.14
6900.00	2.520	259.390	6898.70	38.77	45.21	-49.95	574485.87	580682.55	32°35'46.208"N	104°05'29.309"W	0.13
7000.00	2.400	257.220	6998.61	37.39	44.34	-54.15	574481.66	580681.68	32°35'46.199"N	104°05'29.358"W	0.15
7100.00	2.350	255.670	7098.52	35.94	43.37	-58.18	574477.64	580680.71	32°35'46.190"N	104°05'29.405"W	0.08
7171.00	2.020	258.370	7169.47	35.00	42.76	-60.81	574475.00	580680.10	32°35'46.184"N	104°05'29.436"W	0.49
7296.00	2.400	281.800	7294.38	34.52	42.85	-65.53	574470.28	580680.19	32°35'46.185"N	104°05'29.491"W	0.78
7325.00	2.400	244.300	7323.35	34.24	42.71	-66.68	574469.14	580680.05	32°35'46.184"N	104°05'29.504"W	5.32
7356.00	1.800	301.200	7354.34	34.09	42.68	-67.68	574468.14	580680.02	32°35'46.183"N	104°05'29.516"W	6.67
7388.00	3.300	359.300	7386.31	35.21	43.86	-68.12	574467.70	580681.20	32°35'46.195"N	104°05'29.521"W	8.76
7420.00	6.700	10.300	7418.18	37.99	46.62	-67.80	574468.02	580683.96	32°35'46.222"N	104°05'29.517"W	10.99
7452.00	12.000	11.300	7449.75	43.17	51.72	-66.81	574469.01	580689.06	32°35'46.273"N	104°05'29.505"W	16.57
7484.00	16.500	11.700	7480.75	51.02	59.44	-65.24	574470.58	580696.78	32°35'46.349"N	104°05'29.487"W	14.07
7516.00	18.000	12.700	7511.31	60.47	68.71	-63.23	574472.59	580706.05	32°35'46.441"N	104°05'29.463"W	4.78
7547.00	19.500	12.900	7540.67	70.38	78.43	-61.02	574474.80	580715.76	32°35'46.537"N	104°05'29.437"W	4.84
7579.00	25.100	10.500	7570.26	82.48	90.32	-58.59	574477.23	580727.65	32°35'46.654"N	104°05'29.408"W	17.73
7611.00	26.500	9.600	7599.07	96.39	104.03	-56.16	574479.65	580741.37	32°35'46.790"N	104°05'29.380"W	4.54
7643.00	30.500	8.500	7627.19	111.64	119.11	-53.77	574482.05	580756.44	32°35'46.939"N	104°05'29.351"W	12.61
7674.00	33.400	7.300	7653.49	128.04	135.36	-51.52	574484.29	580772.69	32°35'47.100"N	104°05'29.325"W	9.58
7706.00	35.700	5.800	7679.84	146.19	153.39	-49.46	574486.36	580790.71	32°35'47.278"N	104°05'29.300"W	7.66
7738.00	37.800	5.600	7705.48	165.33	172.44	-47.56	574488.26	580809.76	32°35'47.467"N	104°05'29.277"W	6.57
7770.00	40.400	5.800	7730.31	185.50	192.52	-45.55	574490.26	580829.84	32°35'47.665"N	104°05'29.253"W	8.13
7801.00	43.100	6.200	7753.44	206.14	213.04	-43.39	574492.42	580850.37	32°35'47.868"N	104°05'29.227"W	8.75

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
7833.00	46.100	6.100	7776.22	228.61	235.38	-40.99	574494.83	580872.70	32°35'48.089"N	104°05'29.199"W	9.38
7865.00	49.200	6.000	7797.78	252.25	258.90	-38.49	574497.32	580896.21	32°35'48.322"N	104°05'29.169"W	9.69
7897.00	52.500	5.900	7817.98	277.06	283.57	-35.92	574499.89	580920.89	32°35'48.566"N	104°05'29.138"W	10.32
7929.00	55.800	5.900	7836.72	302.99	309.37	-33.26	574502.56	580946.68	32°35'48.821"N	104°05'29.106"W	10.31
7960.00	59.900	6.400	7853.21	329.22	335.46	-30.44	574505.37	580972.77	32°35'49.079"N	104°05'29.073"W	13.30
7992.00	65.300	7.100	7867.93	357.62	363.66	-27.10	574508.71	581000.97	32°35'49.358"N	104°05'29.033"W	16.99
8024.00	69.700	8.000	7880.17	387.18	392.96	-23.21	574512.60	581030.27	32°35'49.648"N	104°05'28.987"W	13.99
8056.00	72.200	8.400	7890.62	417.42	422.90	-18.90	574516.91	581060.20	32°35'49.944"N	104°05'28.936"W	7.90
8088.00	74.500	8.100	7899.79	448.07	453.24	-14.50	574521.31	581090.54	32°35'50.244"N	104°05'28.883"W	7.24
8119.00	77.100	7.900	7907.39	478.11	482.99	-10.32	574525.49	581120.29	32°35'50.539"N	104°05'28.834"W	8.41
8151.00	79.700	8.400	7913.82	509.45	514.02	-5.87	574529.93	581151.32	32°35'50.846"N	104°05'28.781"W	8.27
8183.00	82.000	8.400	7918.91	541.03	545.27	-1.26	574534.55	581182.57	32°35'51.155"N	104°05'28.726"W	7.19
8214.00	84.500	8.400	7922.55	571.80	575.73	3.24	574539.05	581213.02	32°35'51.456"N	104°05'28.673"W	8.06
8246.00	87.100	8.400	7924.90	603.71	607.29	7.90	574543.71	581244.58	32°35'51.768"N	104°05'28.617"W	8.12
8261.00	88.000	8.300	7925.54	618.69	622.12	10.07	574545.88	581259.41	32°35'51.915"N	104°05'28.592"W	6.04
8318.00	90.400	8.300	7926.34	675.66	678.52	18.30	574554.11	581315.80	32°35'52.473"N	104°05'28.494"W	4.21
8350.00	90.700	8.600	7926.03	707.65	710.17	23.00	574558.81	581347.45	32°35'52.786"N	104°05'28.438"W	1.33
8382.00	90.100	8.400	7925.80	739.64	741.81	27.73	574563.54	581379.09	32°35'53.099"N	104°05'28.382"W	1.98
8414.00	88.700	8.700	7926.14	771.63	773.46	32.49	574568.30	581410.73	32°35'53.412"N	104°05'28.326"W	4.47
8445.00	88.500	8.700	7926.90	802.60	804.09	37.18	574572.98	581441.36	32°35'53.715"N	104°05'28.270"W	0.65
8477.00	88.700	8.500	7927.68	834.58	835.72	41.96	574577.77	581472.99	32°35'54.028"N	104°05'28.213"W	0.88
8509.00	88.700	8.300	7928.41	866.57	867.37	46.64	574582.44	581504.63	32°35'54.341"N	104°05'28.158"W	0.62
8541.00	88.700	8.600	7929.13	898.55	899.01	51.34	574587.14	581536.28	32°35'54.654"N	104°05'28.102"W	0.94
8573.00	89.000	8.400	7929.77	930.53	930.66	56.07	574591.87	581567.92	32°35'54.967"N	104°05'28.046"W	1.13
8605.00	89.200	8.900	7930.28	962.51	962.29	60.88	574596.68	581599.55	32°35'55.280"N	104°05'27.989"W	1.68
8636.00	87.800	7.400	7931.09	993.49	992.96	65.27	574601.07	581630.22	32°35'55.583"N	104°05'27.937"W	6.62
8668.00	87.900	7.200	7932.29	1025.47	1024.68	69.33	574605.14	581661.93	32°35'55.897"N	104°05'27.888"W	0.70
8700.00	87.800	7.000	7933.49	1057.45	1056.41	73.29	574609.09	581693.66	32°35'56.211"N	104°05'27.841"W	0.70
8732.00	87.900	6.800	7934.69	1089.43	1088.16	77.13	574612.93	581725.41	32°35'56.525"N	104°05'27.795"W	0.70
8763.00	88.200	7.000	7935.74	1120.41	1118.92	80.85	574616.65	581756.16	32°35'56.829"N	104°05'27.751"W	1.16

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
8796.00	88.400	6.400	7936.72	1153.39	1151.68	84.70	574620.50	581788.92	32°35'57.153"N	104°05'27.705"W	1.92
8827.00	88.500	6.300	7937.56	1184.38	1182.47	88.13	574623.93	581819.71	32°35'57.458"N	104°05'27.664"W	0.46
8859.00	88.500	5.900	7938.40	1216.36	1214.28	91.53	574627.33	581851.52	32°35'57.772"N	104°05'27.624"W	1.25
8891.00	88.600	6.000	7939.21	1248.35	1246.10	94.84	574630.64	581883.33	32°35'58.087"N	104°05'27.584"W	0.44
8923.00	89.000	5.900	7939.88	1280.34	1277.92	98.16	574633.96	581915.15	32°35'58.402"N	104°05'27.545"W	1.29
8955.00	89.700	5.900	7940.24	1312.33	1309.75	101.45	574637.25	581946.98	32°35'58.717"N	104°05'27.505"W	2.19
8987.00	89.900	5.900	7940.35	1344.32	1341.58	104.74	574640.54	581978.80	32°35'59.032"N	104°05'27.466"W	0.62
9018.00	89.300	6.000	7940.57	1375.32	1372.41	107.95	574643.75	582009.63	32°35'59.337"N	104°05'27.428"W	1.96
9050.00	87.800	6.900	7941.38	1407.30	1404.20	111.54	574647.34	582041.42	32°35'59.651"N	104°05'27.385"W	5.47
9081.00	87.800	7.700	7942.57	1438.28	1434.92	115.48	574651.28	582072.14	32°35'59.955"N	104°05'27.338"W	2.58
9113.00	87.800	7.600	7943.80	1470.25	1466.61	119.74	574655.53	582103.83	32°36'00.269"N	104°05'27.287"W	0.31
9145.00	88.700	7.300	7944.78	1502.24	1498.33	123.88	574659.68	582135.54	32°36'00.582"N	104°05'27.238"W	2.96
9177.00	89.300	6.500	7945.33	1534.23	1530.09	127.73	574663.52	582167.30	32°36'00.897"N	104°05'27.192"W	3.12
9209.00	89.400	7.300	7945.70	1566.23	1561.86	131.57	574667.37	582199.06	32°36'01.211"N	104°05'27.146"W	2.52
9241.00	89.400	7.100	7946.03	1598.23	1593.60	135.58	574671.38	582230.81	32°36'01.525"N	104°05'27.099"W	0.62
9272.00	89.800	7.600	7946.25	1629.23	1624.35	139.55	574675.34	582261.55	32°36'01.829"N	104°05'27.052"W	2.07
9304.00	90.100	8.500	7946.28	1661.22	1656.03	144.03	574679.82	582293.23	32°36'02.142"N	104°05'26.998"W	2.96
9336.00	90.400	8.900	7946.14	1693.21	1687.66	148.87	574684.66	582324.86	32°36'02.455"N	104°05'26.941"W	1.56
9368.00	90.500	8.800	7945.89	1725.19	1719.28	153.79	574689.59	582356.47	32°36'02.768"N	104°05'26.883"W	0.44
9399.00	90.200	8.300	7945.70	1756.18	1749.94	158.40	574694.20	582387.13	32°36'03.071"N	104°05'26.828"W	1.88
9431.00	90.300	8.200	7945.56	1788.17	1781.61	162.99	574698.79	582418.79	32°36'03.384"N	104°05'26.773"W	0.44
9463.00	90.500	7.600	7945.33	1820.16	1813.30	167.39	574703.18	582450.49	32°36'03.698"N	104°05'26.721"W	1.98
9494.00	89.500	8.000	7945.33	1851.16	1844.01	171.60	574707.39	582481.20	32°36'04.002"N	104°05'26.671"W	3.47
9526.00	89.400	8.400	7945.64	1883.15	1875.69	176.16	574711.95	582512.86	32°36'04.315"N	104°05'26.617"W	1.29
9558.00	89.500	8.200	7945.95	1915.14	1907.35	180.78	574716.57	582544.52	32°36'04.628"N	104°05'26.562"W	0.70
9590.00	89.700	8.700	7946.17	1947.13	1939.00	185.48	574721.28	582576.17	32°36'04.941"N	104°05'26.506"W	1.68
9622.00	89.700	8.200	7946.34	1979.12	1970.65	190.18	574725.98	582607.82	32°36'05.254"N	104°05'26.450"W	1.56
9653.00	89.800	8.300	7946.47	2010.11	2001.33	194.63	574730.42	582638.50	32°36'05.558"N	104°05'26.398"W	0.46
9685.00	90.000	8.500	7946.53	2042.11	2032.99	199.31	574735.10	582670.15	32°36'05.871"N	104°05'26.342"W	0.88
9717.00	90.300	8.900	7946.45	2074.09	2064.62	204.15	574739.94	582701.78	32°36'06.184"N	104°05'26.285"W	1.56

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
9747.00	90.500	8.500	7946.24	2104.08	2094.27	208.69	574744.48	582731.43	32°36'06.477"N	104°05'26.231"W	1.49
9779.00	90.700	8.300	7945.90	2136.07	2125.93	213.36	574749.15	582763.09	32°36'06.790"N	104°05'26.175"W	0.88
9811.00	90.000	7.100	7945.71	2168.06	2157.64	217.65	574753.44	582794.79	32°36'07.104"N	104°05'26.124"W	4.34
9842.00	89.900	6.200	7945.73	2199.06	2188.43	221.24	574757.03	582825.58	32°36'07.409"N	104°05'26.082"W	2.92
9874.00	89.900	6.100	7945.79	2231.06	2220.25	224.67	574760.45	582857.39	32°36'07.723"N	104°05'26.041"W	0.31
9906.00	89.900	5.600	7945.84	2263.05	2252.08	227.93	574763.72	582889.22	32°36'08.038"N	104°05'26.002"W	1.56
9938.00	90.200	5.300	7945.82	2295.04	2283.93	230.97	574766.76	582921.08	32°36'08.353"N	104°05'25.965"W	1.33
9970.00	90.300	6.300	7945.68	2327.03	2315.77	234.20	574769.99	582952.91	32°36'08.668"N	104°05'25.927"W	3.14
10002.00	90.600	7.100	7945.43	2359.03	2347.55	237.93	574773.72	582984.69	32°36'08.983"N	104°05'25.882"W	2.67
10033.00	90.800	7.800	7945.05	2390.03	2378.29	241.95	574777.74	583015.42	32°36'09.287"N	104°05'25.834"W	2.35
10065.00	91.100	7.900	7944.52	2422.02	2409.98	246.32	574782.11	583047.11	32°36'09.600"N	104°05'25.783"W	0.99
10097.00	90.800	7.000	7943.99	2454.01	2441.71	250.47	574786.26	583078.84	32°36'09.914"N	104°05'25.733"W	2.96
10129.00	90.500	7.200	7943.62	2486.01	2473.46	254.43	574790.21	583110.59	32°36'10.228"N	104°05'25.686"W	1.13
10161.00	89.900	6.800	7943.51	2518.01	2505.22	258.33	574794.11	583142.34	32°36'10.542"N	104°05'25.640"W	2.25
10192.00	90.200	6.400	7943.48	2549.01	2536.01	261.89	574797.67	583173.14	32°36'10.847"N	104°05'25.597"W	1.61
10224.00	90.600	6.700	7943.26	2581.01	2567.80	265.54	574801.32	583204.92	32°36'11.161"N	104°05'25.554"W	1.56
10256.00	90.400	6.600	7942.98	2613.01	2599.59	269.24	574805.03	583236.70	32°36'11.476"N	104°05'25.510"W	0.70
10288.00	90.600	6.400	7942.70	2645.00	2631.38	272.87	574808.65	583268.49	32°36'11.790"N	104°05'25.466"W	0.88
10320.00	91.100	7.100	7942.23	2677.00	2663.16	276.63	574812.41	583300.27	32°36'12.105"N	104°05'25.422"W	2.69
10352.00	91.200	6.700	7941.59	2708.99	2694.92	280.47	574816.26	583332.03	32°36'12.419"N	104°05'25.376"W	1.29
10384.00	90.300	7.700	7941.17	2740.99	2726.66	284.48	574820.27	583363.77	32°36'12.733"N	104°05'25.328"W	4.20
10416.00	90.200	7.800	7941.03	2772.99	2758.37	288.80	574824.58	583395.47	32°36'13.046"N	104°05'25.277"W	0.44
10448.00	90.300	8.100	7940.89	2804.98	2790.06	293.22	574829.01	583427.16	32°36'13.360"N	104°05'25.224"W	0.99
10480.00	90.600	8.000	7940.64	2836.97	2821.74	297.70	574833.49	583458.84	32°36'13.673"N	104°05'25.171"W	0.99
10512.00	91.000	8.200	7940.19	2868.97	2853.42	302.21	574837.99	583490.52	32°36'13.987"N	104°05'25.117"W	1.40
10543.00	90.700	8.900	7939.73	2899.95	2884.07	306.82	574842.60	583521.17	32°36'14.290"N	104°05'25.063"W	2.46
10575.00	90.800	9.200	7939.31	2931.93	2915.67	311.85	574847.64	583552.76	32°36'14.602"N	104°05'25.003"W	0.99
10607.00	91.000	9.400	7938.81	2963.90	2947.25	317.02	574852.81	583584.33	32°36'14.915"N	104°05'24.942"W	0.88
10639.00	90.500	9.700	7938.39	2995.87	2978.80	322.33	574858.11	583615.89	32°36'15.227"N	104°05'24.879"W	1.82
10671.00	90.600	10.100	7938.08	3027.82	3010.32	327.83	574863.61	583647.40	32°36'15.539"N	104°05'24.814"W	1.29

Actual Wellpath Report

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 Mewbourne Oil Company



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
10703.00	90.600	9.600	7937.75	3059.78	3041.85	333.31	574869.09	583678.93	32°36'15.850"N	104°05'24.749"W	1.56
10735.00	90.000	10.400	7937.58	3091.74	3073.36	338.86	574874.64	583710.44	32°36'16.162"N	104°05'24.683"W	3.12
10766.00	89.900	10.600	7937.61	3122.68	3103.84	344.51	574880.29	583740.92	32°36'16.464"N	104°05'24.616"W	0.72
10798.00	90.100	10.300	7937.61	3154.62	3135.31	350.32	574886.10	583772.38	32°36'16.775"N	104°05'24.548"W	1.13
10830.00	90.300	10.700	7937.49	3186.56	3166.78	356.15	574891.93	583803.84	32°36'17.086"N	104°05'24.479"W	1.40
10861.00	89.400	9.400	7937.58	3217.52	3197.30	361.56	574897.34	583834.37	32°36'17.388"N	104°05'24.414"W	5.10
10893.00	89.700	9.900	7937.83	3249.49	3228.85	366.92	574902.70	583865.91	32°36'17.700"N	104°05'24.351"W	1.82
10925.00	89.700	9.300	7937.99	3281.45	3260.40	372.26	574908.04	583897.46	32°36'18.012"N	104°05'24.288"W	1.87
10957.00	89.900	9.800	7938.11	3313.42	3291.95	377.57	574913.34	583929.01	32°36'18.324"N	104°05'24.225"W	1.68
10989.00	90.100	9.600	7938.11	3345.39	3323.50	382.96	574918.74	583960.55	32°36'18.636"N	104°05'24.161"W	0.88
11020.00	89.400	9.200	7938.24	3376.36	3354.08	388.02	574923.80	583991.13	32°36'18.939"N	104°05'24.101"W	2.60
11052.00	89.400	8.900	7938.58	3408.34	3385.68	393.06	574928.83	584022.73	32°36'19.251"N	104°05'24.041"W	0.94
11084.00	89.500	8.800	7938.88	3440.32	3417.30	397.98	574933.75	584054.34	32°36'19.564"N	104°05'23.983"W	0.44
11116.00	89.500	8.700	7939.16	3472.30	3448.92	402.85	574938.62	584085.97	32°36'19.877"N	104°05'23.925"W	0.31
11148.00	90.100	8.500	7939.27	3504.29	3480.56	407.63	574943.41	584117.60	32°36'20.190"N	104°05'23.868"W	1.98
11180.00	90.200	8.900	7939.19	3536.28	3512.20	412.47	574948.25	584149.23	32°36'20.503"N	104°05'23.811"W	1.29
11211.00	90.200	8.600	7939.08	3567.26	3542.83	417.19	574952.96	584179.87	32°36'20.806"N	104°05'23.755"W	0.97
11243.00	90.600	8.400	7938.86	3599.25	3574.48	421.92	574957.69	584211.51	32°36'21.119"N	104°05'23.699"W	1.40
11275.00	90.900	8.800	7938.44	3631.24	3606.12	426.70	574962.47	584243.15	32°36'21.432"N	104°05'23.642"W	1.56
11307.00	90.300	8.200	7938.11	3663.22	3637.77	431.43	574967.20	584274.79	32°36'21.745"N	104°05'23.586"W	2.65
11339.00	90.300	8.200	7937.94	3695.22	3669.44	436.00	574971.77	584306.46	32°36'22.058"N	104°05'23.532"W	0.00
11371.00	89.500	8.400	7937.99	3727.21	3701.10	440.62	574976.39	584338.12	32°36'22.371"N	104°05'23.477"W	2.58
11402.00	89.500	8.000	7938.26	3758.20	3731.78	445.04	574980.81	584368.80	32°36'22.675"N	104°05'23.424"W	1.29
11434.00	89.500	8.000	7938.54	3790.19	3763.47	449.49	574985.26	584400.49	32°36'22.988"N	104°05'23.371"W	0.00
11466.00	89.800	8.600	7938.74	3822.19	3795.14	454.11	574989.88	584432.15	32°36'23.301"N	104°05'23.317"W	2.10
11497.00	90.200	8.400	7938.74	3853.17	3825.80	458.69	574994.46	584462.81	32°36'23.605"N	104°05'23.262"W	1.44
11529.00	89.900	8.700	7938.71	3885.16	3857.44	463.45	574999.22	584494.45	32°36'23.918"N	104°05'23.206"W	1.33
11561.00	89.100	7.400	7938.99	3917.16	3889.12	467.93	575003.70	584526.13	32°36'24.231"N	104°05'23.153"W	4.77
11593.00	89.100	7.600	7939.49	3949.15	3920.84	472.11	575007.87	584557.85	32°36'24.545"N	104°05'23.103"W	0.62
11624.00	89.400	7.900	7939.90	3980.15	3951.56	476.29	575012.05	584588.56	32°36'24.849"N	104°05'23.053"W	1.37

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
11656.00	89.900	7.400	7940.09	4012.14	3983.27	480.55	575016.31	584620.27	32°36'25.162"N	104°05'23.003"W	2.21
11688.00	90.400	7.200	7940.01	4044.14	4015.01	484.61	575020.38	584652.01	32°36'25.476"N	104°05'22.954"W	1.68
11719.00	90.100	6.700	7939.87	4075.14	4045.79	488.36	575024.13	584682.78	32°36'25.781"N	104°05'22.909"W	1.88
11751.00	90.400	6.500	7939.74	4107.14	4077.57	492.04	575027.81	584714.56	32°36'26.095"N	104°05'22.866"W	1.13
11783.00	91.400	6.300	7939.23	4139.13	4109.37	495.61	575031.37	584746.35	32°36'26.410"N	104°05'22.823"W	3.19
11815.00	91.800	6.600	7938.34	4171.12	4141.15	499.20	575034.97	584778.14	32°36'26.724"N	104°05'22.780"W	1.56
11847.00	92.900	6.100	7937.03	4203.09	4172.93	502.74	575038.50	584809.91	32°36'27.039"N	104°05'22.738"W	3.78
11879.00	93.300	6.700	7935.30	4235.04	4204.68	506.30	575042.06	584841.66	32°36'27.353"N	104°05'22.696"W	2.25
11910.00	92.600	6.600	7933.70	4266.00	4235.43	509.88	575045.65	584872.41	32°36'27.657"N	104°05'22.653"W	2.28
11942.00	91.900	6.700	7932.44	4297.97	4267.19	513.59	575049.35	584904.17	32°36'27.971"N	104°05'22.609"W	2.21
11974.00	91.700	6.400	7931.44	4329.96	4298.97	517.24	575053.00	584935.94	32°36'28.285"N	104°05'22.565"W	1.13
12005.00	92.000	6.400	7930.44	4360.94	4329.76	520.69	575056.45	584966.73	32°36'28.590"N	104°05'22.524"W	0.97
12037.00	91.400	7.600	7929.49	4392.92	4361.51	524.59	575060.35	584998.47	32°36'28.904"N	104°05'22.478"W	4.19
12069.00	91.300	7.600	7928.74	4424.91	4393.22	528.82	575064.58	585030.18	32°36'29.218"N	104°05'22.427"W	0.31
12101.00	90.800	7.300	7928.15	4456.91	4424.94	532.97	575068.73	585061.90	32°36'29.531"N	104°05'22.378"W	1.82
12133.00	91.100	7.300	7927.62	4488.90	4456.68	537.03	575072.79	585093.63	32°36'29.845"N	104°05'22.330"W	0.94
12165.00	91.200	7.500	7926.98	4520.90	4488.41	541.15	575076.91	585125.36	32°36'30.159"N	104°05'22.281"W	0.70
12196.00	90.200	7.600	7926.60	4551.89	4519.13	545.23	575080.99	585156.08	32°36'30.463"N	104°05'22.232"W	3.24
12228.00	89.500	7.200	7926.68	4583.89	4550.87	549.35	575085.11	585187.81	32°36'30.777"N	104°05'22.183"W	2.52
12260.00	89.400	7.500	7926.99	4615.89	4582.60	553.44	575089.20	585219.55	32°36'31.091"N	104°05'22.134"W	0.99
12292.00	90.300	7.900	7927.07	4647.89	4614.31	557.73	575093.49	585251.26	32°36'31.405"N	104°05'22.083"W	3.08
12324.00	90.200	7.700	7926.93	4679.88	4646.02	562.07	575097.83	585282.96	32°36'31.718"N	104°05'22.032"W	0.70
12376.00	90.200	7.700	7926.75	4731.88	4697.55	569.04	575104.80	585334.48	32°36'32.228"N	104°05'21.949"W	0.00

Actual Wellpath Report

No. 3H AWP

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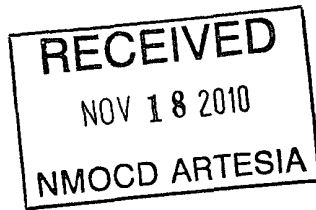
REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 1H PBHL		7929.00	4724.37	581.84	575117.60	585361.30	32°36'32.493"N	104°05'21.799"W	point

WELLPATH COMPOSITION					Ref Wellbore: No. 3H AWB	Ref Wellpath: No. 3H AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment		Wellbore
0.00	7171.00	Generic gyro - continuous (Standard)		GYRO (100 - 7171)		No. 3H AWB
7171.00	12324.00	NaviTrak (Standard)		MWD (7296 - 12324)		No. 3H AWB
12324.00	12376.00	Blind Drilling (std)		Projection to bit		No. 3H AWB

Packers Plus		Do It Once. Do It Right.		Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Completion	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date September 29, 2010			
Well Name Colt 5- Federal # 3-H		Type of Installation 17-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM			
Depth	Drawing	Description		OD(in)	ID(in)	Length	
Page 1 of 2							
REV							
KOP 5,800'							
TVD 7,926'							
TOL 8,000.30'							
7" 26# 306.41bbls							
		Drillable FracPORT's to be shipped without handling pups					
		Angle of SF-Liner Hanger = 69 Degrees 7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer PN: 108425-000012 (2 shear pins at 482 ea + 1 @ 241: 1,205 psi setting pressure)					
				Upper Bore	5.84"	4.750	2.82
				Lower Bore	5.84"	3.875	2.51
				SF Bottom Guide	5.850"	3.850	1.26
					4.500"	4.000	2.46
					4.500"	4.000	357.56
		JOINTS: 8					
Stage 17 8,366.91' 312.09bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball PN: 107934-000001 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	92.34	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.08	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.08	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	138.34	
		JOINTS: 3					
Stage 16 8,467.98' 315.93bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.500" High Pressure Ball PN: 108482-000060 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	86.40	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.11	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.09	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	128.72	
		JOINTS: 3					
Stage 15 8,466.87' 319.53bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball PN: 108482-000059 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	87.85	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.07	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	131.95	
		JOINTS: 3					
Stage 14 9,083.74' 323.20bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball PN: 108482-000058 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	92.28	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.09	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	138.28	
		JOINTS: 3					
Stage 13 9,331.28' 327.04bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 3.000" Seat for 3.125" High Pressure Ball PN: 108482-000057 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	132.80	
		JOINTS: 3					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.09	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	125.64	
		JOINTS: 3					
Stage 12 9,472.92' 331.31bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball PN: 108482-000056 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	90.15	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.07	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	135.93	
		JOINTS: 3					
Stage 11 9,850.04' 335.08bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball PN: 108482-000055 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	91.33	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.10	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.08	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	139.03	
		JOINTS: 3					
Stage 10 10,097.48' 338.92bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball PN: 108482-000054 (5 shear pins at 315 psi each; 1,575 psi opening pressure)					
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	87.95	
		JOINTS: 2					
		6" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	6.09	
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)		5.750"	3.750	5.25	
		3" x 4-1/2" 11.6# P-110 LTC Pup Joint		4.500"	4.000	3.06	
		4-1/2" 11.60# P-110 LTC LINER		4.500"	4.000	2202.18	
		JOINTS: 2					
10,194.47'							
Service Center Midland, TX		Telephone 432-563-9024		Contact Keith Martin		Telephone Chad Williams 435-255-3723	

Packers Plus		Do It Once. Do It Right.		Confidential Information - not to be disclosed outside Mewbourne Oil Company		Final Completion	
Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date September 29, 2010			
Job Name Colt -5- Federal # 3-H		Type of Installation 17-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM			
Depth	Drawing	Description	OO(in)	ID(in)	Length	Page 2 of 2	
REV ____		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	127.19		
Stage 9 10,329.67' 342.52bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2,500" Seat for 2,625" High Pressure Ball PN: 108482-000053 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	2,500"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4,500"	4,000"	89.60		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.11		
10,428.03'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.10		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	132.67		
Stage 8 10,569.05' 346.23bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2,375" Seat for 2,500" High Pressure Ball PN: 108482-000052 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	2,375"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	126.04		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.10		
10,703.84'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.07		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	134.58		
Stage 7 10,846.74' 350.53bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2,250" Seat for 2,375" High Pressure Ball PN: 108482-000051 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	2,250"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4,500"	4,000"	87.45		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.10		
10,942.94'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.09		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	137.59		
Stage 6 11,088.67' 354.28bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2,125" Seat for 2,250" High Pressure Ball PN: 108482-000050 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	2,125"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4,500"	4,000"	80.37		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.08		
11,187.97'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.10		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	138.11		
Stage 5 11,334.43' 358.09bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 2,000" Seat for 2,125" High Pressure Ball PN: 108482-000049 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	2,000"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4,500"	4,000"	92.23		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.09		
11,435.40'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.08		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	121.98		
Stage 4 11,565.71' 361.67bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1,875" Seat for 2,000" High Pressure Ball PN: 108482-000048 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	1,875"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	135.30		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.11		
11,710.02'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.07		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 4	4,500"	4,000"	160.03		
Stage 3 11,876.37' 366.52bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1,750" Seat for 1,875" High Pressure Ball PN: 108482-000047 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	1,750"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4,500"	4,000"	68.63		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.07		
11,955.47'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.09		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	131.86		
Stage 2 12,095.67' 369.89bbls		Packers Plus 4-1/2" Drillable FracPORT™ with 1,625" Seat for 1,750" High Pressure Ball PN: 108482-000046 (5 shear pins at 315 psi each; 1,575 psi opening pressure)	5,630"	1,625"	2.65		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4,500"	4,000"	84.81		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.09		
12,189.22'		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 102188-000003 (6 shear pins at 324 psi each; 1,950 psi setting pressure)	5,750"	3,750"	5.25		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.06		
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4,500"	4,000"	127.03		
Stage 1 12,330.64' 373.53bbls		Packers Plus 4-1/2" Dual Hydraulic FracPORT™ Centralized PN: 105900-000002 (11 pins at 391 psi each; 4,301 psi Upper) (7 pins at 630 psi each; 4,410 psi Lower)	5,630"	3,750"	4.33		
		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	3.05		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	6.07		
		Packers Plus 4-1/2" Toe Circulating Sub w/ 1.00" Seat for 1.25" High Pressure Ball PN: 103039-000011 (3 pins at 366 psi each; 1,098 psi closing pressure)	5,500"	NA	2.73		
		4-1/2" LTC Single Valve Float Collar PN: 104733	5,000"	NA	1.33		
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4,500"	4,000"	4.77		
		4-1/2" LTC Single Valve Float Collar PN: 104733	5,000"	NA	1.33		
		4-1/2" LTC Guide Shoe PN: 121704-000001	5,500"	2,250"	0.75		
TD = 12,355'					2152.62		
TVD = 7,926'					2202.18		
MD = 12378'					4354.70		
Source: Colton		Telephone: 432-563-8024		City: Midland, TX		Person: Keith Martin	
						Telephone: Chad Williams 405-255-3223	



MEWBOURNE OIL

Winchester Bone Spring
Eddy County, NM
Colt "5" Federal #3H
VH - Job #32K0910679

Survey: Actual

SDI Standard Survey Report

19 September, 2010

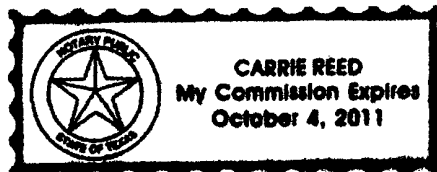
This survey is correct to the best of my knowledge and is supported by actual field data.

R. Wharton

Notorized this date 13th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Colt "5" Federal #3H
Project:	Winchester Bone Spring	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Colt "5" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0910679	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910679	Database:	EDM-Regulatory

Project:	Winchester Bone Spring		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well:	Colt "5" Federal #3H, Directional (Baker Inteq)			
Well Position	+N/-S	0.0 usft	Northing:	580,637.40 usft
	+E/-W	0.0 usft	Easting:	574,535.46 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level: 0.0 usft

Wellbore:	VH - Job #32K0910679				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2010	9/19/2010	8.01	60.46	48,917

Design:	VH - Job #32K0910679			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	7.02

Survey Program	Date 9/19/2010			
From	To	Survey (Wellbore)	Tool/Name	Description
(usft)	(usft)			
100.0	7,171.0	Actual (VH - Job #32K0910679)	Keeper	Keeper Gyro

Survey							
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0
100.0	0.17	331.62	100.0	0.1	-0.1	331.62	0.1
200.0	0.03	275.11	200.0	0.3	-0.2	327.61	0.3
300.0	0.01	266.79	300.0	0.3	-0.2	322.72	0.3
400.0	0.05	294.94	400.0	0.3	-0.3	318.54	0.4
500.0	0.19	27.25	500.0	0.4	-0.2	334.53	0.5
600.0	0.41	47.48	600.0	0.8	0.1	8.54	0.8
700.0	0.79	63.77	700.0	1.4	1.0	36.05	1.7
800.0	1.01	69.62	800.0	2.0	2.5	50.86	3.2
900.0	1.01	60.66	900.0	2.7	4.0	55.95	4.9
1,000.0	0.79	37.09	1,000.0	3.7	5.2	54.60	6.4
1,100.0	0.80	7.88	1,099.9	5.0	5.7	49.19	7.6
1,200.0	0.81	357.53	1,199.9	6.4	5.8	42.42	8.6
1,300.0	0.98	342.69	1,299.9	7.9	5.5	35.03	9.6
1,400.0	0.98	339.29	1,399.9	9.5	5.0	27.61	10.7
1,500.0	0.86	336.74	1,499.9	11.0	4.4	21.68	11.8
1,600.0	0.46	353.48	1,599.9	12.1	4.0	18.44	12.7

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Colt "5" Federal #3H
Project:	Winchester Bone Spring	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Colt "5" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0910679	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910679	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,700.0	0.79	359.59	1,699.9	13.2	4.0	16.80	13.7
1,800.0	0.85	356.48	1,799.9	14.6	3.9	15.05	15.1
1,900.0	0.92	353.90	1,899.9	16.1	3.8	13.23	16.6
2,000.0	0.82	9.03	1,999.8	17.6	3.8	12.22	18.0
2,100.0	0.97	15.68	2,099.8	19.2	4.2	12.26	19.6
2,200.0	0.82	23.47	2,199.8	20.6	4.7	12.77	21.2
2,300.0	0.68	23.37	2,299.8	21.8	5.2	13.39	22.4
2,400.0	0.61	33.33	2,399.8	22.8	5.7	14.08	23.5
2,500.0	0.57	35.20	2,499.8	23.7	6.3	14.91	24.5
2,600.0	0.58	35.37	2,599.8	24.5	6.9	15.70	25.4
2,700.0	0.55	43.45	2,699.8	25.2	7.5	16.55	26.3
2,800.0	0.71	43.64	2,799.8	26.0	8.3	17.60	27.3
2,900.0	0.75	43.92	2,899.8	27.0	9.1	18.73	28.5
3,000.0	0.80	40.44	2,999.8	28.0	10.1	19.77	29.7
3,100.0	0.67	41.62	3,099.8	28.9	10.9	20.63	30.9
3,200.0	0.60	35.42	3,199.8	29.8	11.6	21.24	32.0
3,300.0	0.30	39.79	3,299.8	30.4	12.1	21.61	32.7
3,400.0	0.15	57.92	3,399.8	30.7	12.3	21.89	33.1
3,500.0	0.02	288.78	3,499.8	30.8	12.4	21.99	33.2
3,600.0	0.11	321.46	3,599.8	30.9	12.4	21.82	33.2
3,700.0	0.17	287.14	3,699.8	31.0	12.2	21.42	33.3
3,800.0	0.21	278.79	3,799.8	31.0	11.8	20.86	33.2
3,900.0	0.26	247.23	3,899.7	31.0	11.4	20.26	33.0
4,000.0	0.28	259.04	3,999.7	30.9	11.0	19.60	32.7
4,100.0	0.29	262.60	4,099.7	30.8	10.5	18.84	32.5
4,200.0	0.53	265.67	4,199.7	30.7	9.8	17.68	32.2
4,300.0	0.52	260.49	4,299.7	30.6	8.9	16.18	31.9
4,400.0	0.64	268.08	4,399.7	30.5	7.9	14.47	31.5
4,500.0	0.74	253.94	4,499.7	30.3	6.7	12.45	31.0
4,600.0	0.79	254.77	4,599.7	29.9	5.4	10.23	30.4
4,700.0	0.89	255.60	4,699.7	29.6	4.0	7.68	29.8
4,800.0	0.88	256.57	4,799.7	29.2	2.5	4.87	29.3
4,900.0	0.83	262.29	4,899.7	28.9	1.0	2.03	28.9
5,000.0	0.77	278.24	4,999.7	28.9	-0.4	359.29	28.9
5,100.0	0.73	283.03	5,099.7	29.2	-1.6	356.77	29.2
5,200.0	0.78	300.14	5,199.7	29.6	-2.9	354.50	29.8
5,300.0	0.90	311.40	5,299.6	30.5	-4.0	352.47	30.8
5,400.0	0.92	311.99	5,399.6	31.6	-5.2	350.62	32.0
5,500.0	0.98	317.48	5,499.6	32.7	-6.4	348.95	33.4
5,600.0	1.00	321.88	5,599.6	34.0	-7.5	347.57	34.9
5,700.0	1.09	329.36	5,699.6	35.6	-8.5	346.51	36.6
5,800.0	1.17	327.86	5,799.6	37.2	-9.6	345.60	38.4
5,900.0	1.50	310.07	5,899.5	38.9	-11.1	344.09	40.5
6,000.0	1.79	302.00	5,999.5	40.6	-13.4	341.70	42.8

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Colt "5" Federal #3H
Project:	Winchester Bone Spring	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Colt "5" Federal #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0910679	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910679	Database:	EDM-Regulatory

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
6,100.0	2.21	295.72	6,099.4	42.3	-16.5	338.69	45.4
6,200.0	2.37	290.87	6,199.4	43.9	-20.2	335.31	48.3
6,300.0	2.44	287.57	6,299.3	45.2	-24.1	331.93	51.3
6,400.0	2.50	284.90	6,399.2	46.4	-28.3	328.68	54.4
6,500.0	2.71	276.32	6,499.1	47.3	-32.7	325.30	57.5
6,600.0	2.50	264.99	6,599.0	47.3	-37.2	321.80	60.2
6,700.0	2.48	260.98	6,698.9	46.8	-41.5	318.40	62.6
6,800.0	2.40	258.41	6,798.8	46.0	-45.7	315.19	64.9
6,900.0	2.52	259.39	6,898.7	45.2	-49.9	312.15	67.4
7,000.0	2.40	257.22	6,998.6	44.3	-54.2	309.31	70.0
7,100.0	2.35	255.67	7,098.5	43.4	-58.2	306.70	72.6
7,171.0	2.02	258.37	7,169.5	42.8	-60.8	305.11	74.3



Scientific Drilling
Directional Drilling Operations

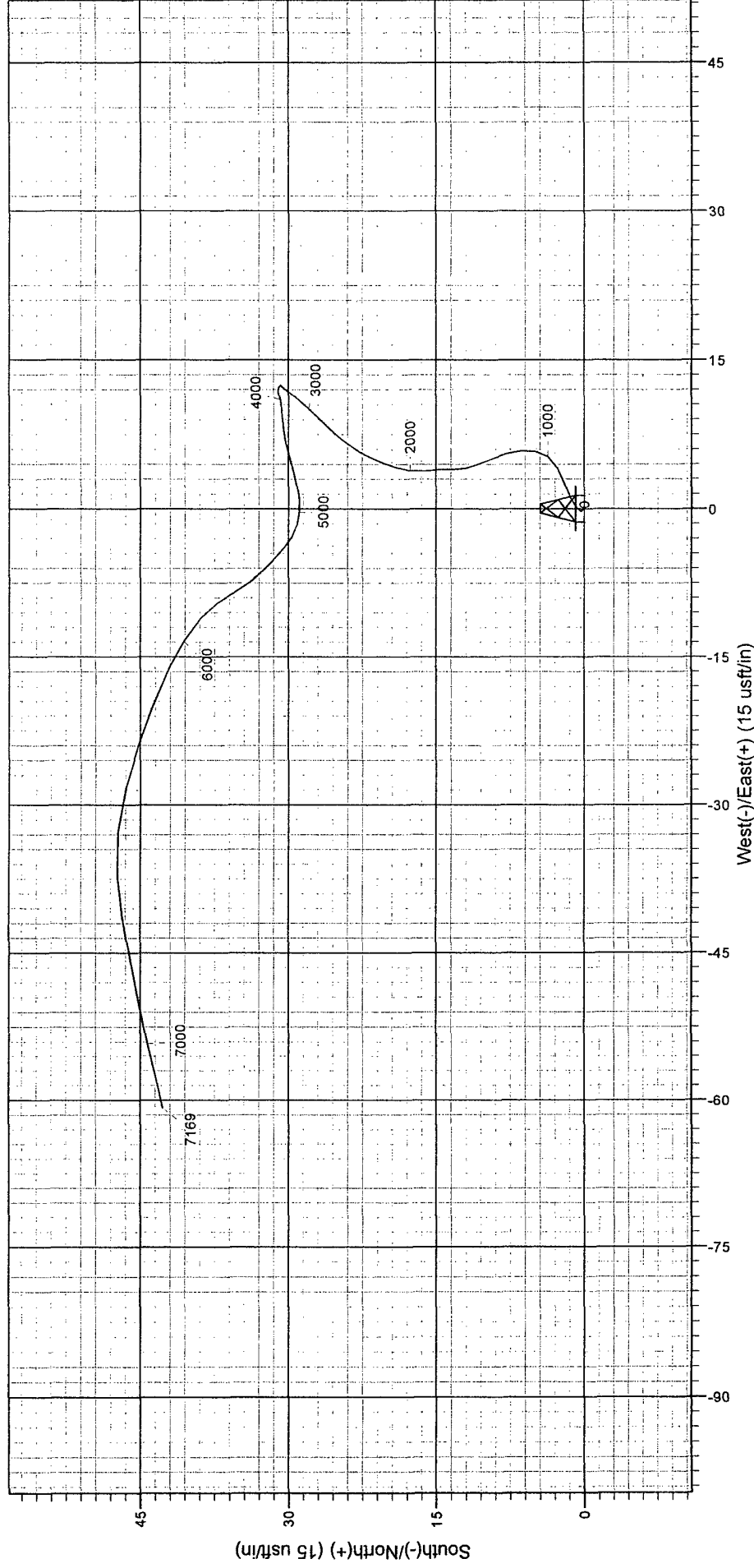
Project: Winchester Bone Spring
Eddy County, NM
Well: Colt "5" Federal #3H
Wellbore: VH - Job #32K0910679
Design: VH - Job #32K0910679

Azimuths to Grid North
True North: -0.13°
Magnetic North: 7.88°
Magnetic Field
Strength: 48916.7 nT
Dip Angle: 60.46°
Date: 9/19/2010
Model: BGGM2010



WELL DETAILS: Colt "5" Federal #3H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	580637.40	574535.46	$32^{\circ} 35' 45.760\text{ N}$	$104^{\circ} 5' 28.730\text{ W}$	



PROJECT DETAILS: Winchester Bone Spring
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: $32^{\circ} 35' 45.760\text{ N}$
Longitude: $104^{\circ} 5' 28.730\text{ W}$
Positional Uncertainty: 0.0
Convergence: 0.13
Local North: Grid