

RECEIVED
FEB 08 2010
HOBBS
OCD-HOBBS

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 OMB No 1004-0135
 Expires July 31, 1996

HOBBSON DUNDRY 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.

5. Lease Serial No.
 NM-052

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
 Mallon 35 Federal No. 4

9. API Well No.
 30-025-39382

10. Field and Pool, or Exploratory Area
 Lea; Bone Spring

11. County or Parish, State
 Lea County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Cimarex Energy Co. of Colorado

3a. Address
 600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b. Phone No. (include area code)
 432-570-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SHL 660 FSL & 660 FWL 35-19S-34E
 BHL 420 FNL & 660 FWL

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

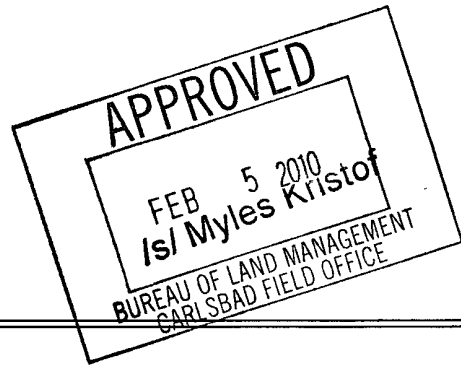
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate 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 recompletion 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)

Cimarex has changed the orientation of the horizontal on the Mallon 35 Federal No. 4 because of other wells we want to drill in 35-19S-34E. Please see revised BHL below, and revised C-102 and preliminary directional survey attached.

Permitted Location
 35-19S-34E
 SHL 660 FSL & 660 FWL
 BHL 420 FNL & 660 FWL

New Proposed Location
 35-19S-34E
 SHL 660 FSL & 660 FWL
 BHL 660 FSL & 510 FEL



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

Natalie Krueger

Signature

Natalie Krueger

Title

Regulatory

Date

January 20, 2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

Date

FEB 09 2010

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

Title 18 U.S.C Section 1001, makes 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.

(Instructions on reverse)

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Asteq, 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

RECEIVED CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
FEB 08 2010
HOBBSOCD

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-39382	Pool Code 37570	Pool Name Lea; Bone Spring
Property Code 29029	Property Name MALLON "35" FEDERAL	Well Number 4
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3689'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	19 S	34 E		660	SOUTH	660	WEST	LEA

Bottom Hole Location If Different From Surface

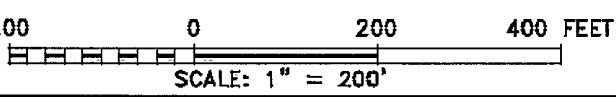
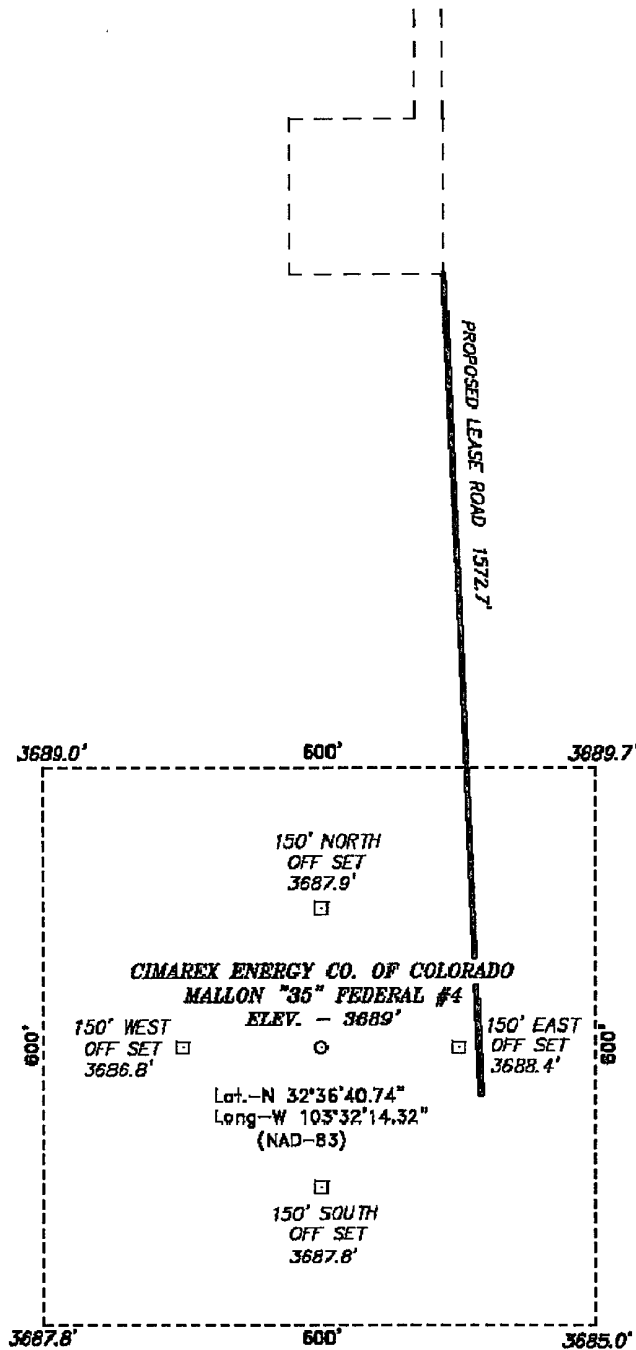
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	35	19 S	34 E		660	SOUTH	510	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

<p><u>SURFACE LOCATION</u> Lat - N32°36'40.74" Long - W103°32'14.32" NMSPCE- N 587045.0 E 786447.2 (NAD-83)</p>		<p><u>BOTTOM HOLE LOCATION</u> Lat - N32°36'40.81" Long - W103°31'26.27" NMSPCE- N 587083.734 E 790556.653 (NAD-83)</p>		<p>OPERATOR CERTIFICATION</p> <p>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 released 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.</p> <p><i>Zeno Farris</i> 1/20/2010 Signature Date</p> <p>Zeno Farris Printed Name</p>
				<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 2008 Date Surveyed</p> <p>GARY L. JONES Signature Professional Surveyor</p> <p>W. 103° 31' 26.27" N. 32° 36' 40.81"</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>
<p>The diagram shows a well location on a 660' x 660' grid. The well is located 660' from the south line and 510' from the east line. The surface location is at the intersection of the 660' lines. The bottom hole location is 660' from the south line and 510' from the east line. The diagram also shows the well's location relative to the 3689.0' and 3689.7' north-south dimensions and 3687.8' and 3685.0' east-west dimensions. A distance of 4109.6' is indicated between the well and the bottom hole location. The diagram is labeled NM-052.</p>				

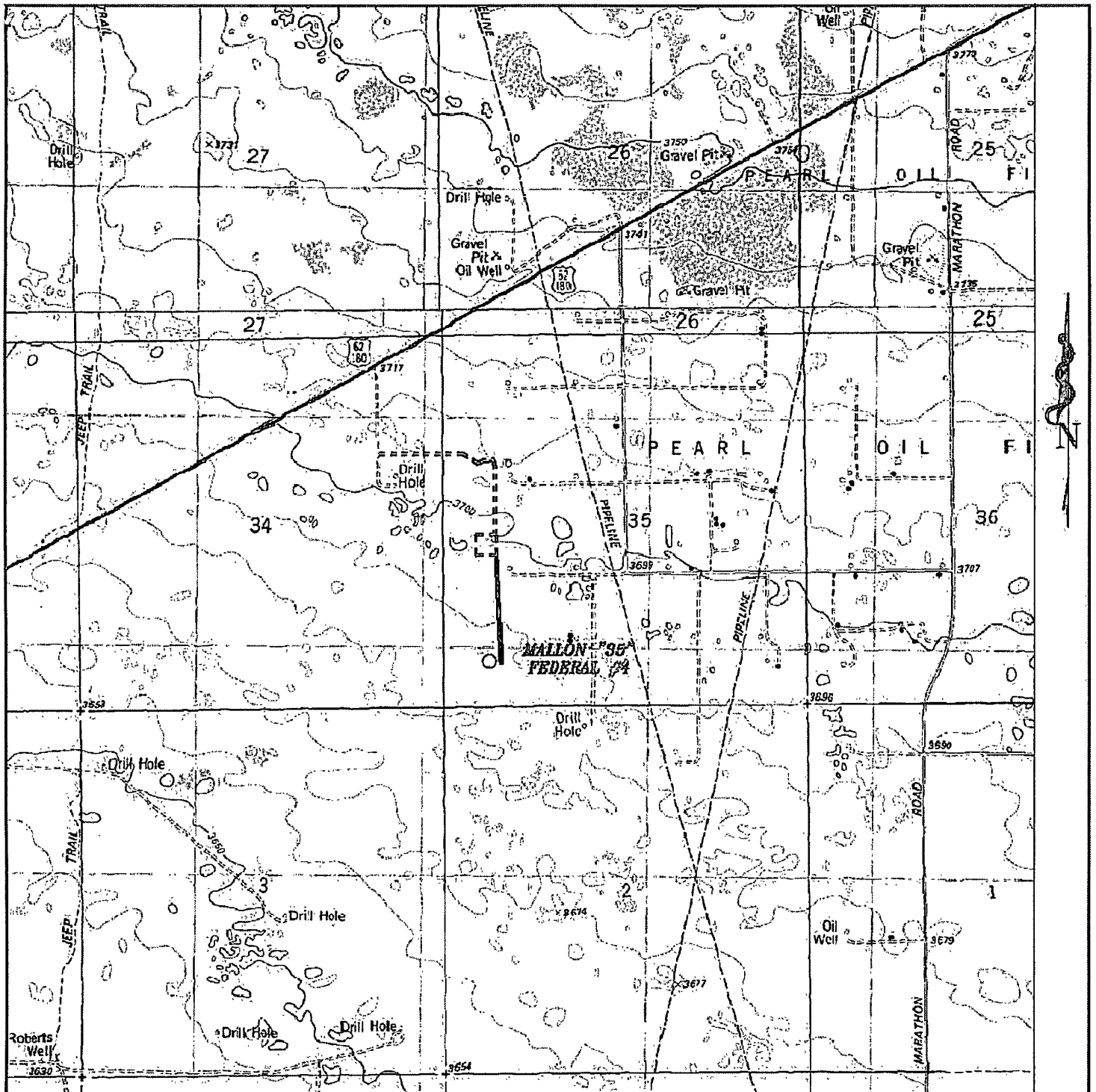
SECTION 35, TOWNSHIP 19 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Directions to Location:
FROM MILE MARKER 79.7 OF HWY 62-180, GO SOUTH 0.2 MILES TO LEASE ROAD, ON LEASE ROAD GO WEST WINDING SOUTH 0.7 MILES TO PAD AND PROPOSED LEASE ROAD.

CIMAREX ENERGY CO. OF COLORADO	
REF: MALLON "35" FEDERAL #4 / WELL PAD TOPO	
THE MALLON "35" FEDERAL #4 LOCATED 660'	
FROM THE SOUTH LINE AND 660' FROM THE WEST LINE OF	
SECTION 35, TOWNSHIP 19 SOUTH, RANGE 34 EAST,	
N.M.P.M., LEA COUNTY, NEW MEXICO.	
W.O. Number: 20337	Drawn By: J. SMALL
Date: 09-08-2008	Disk: JMS 20337
Survey Date: 09-06-2008	Sheet 1 of 1 Sheets

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO



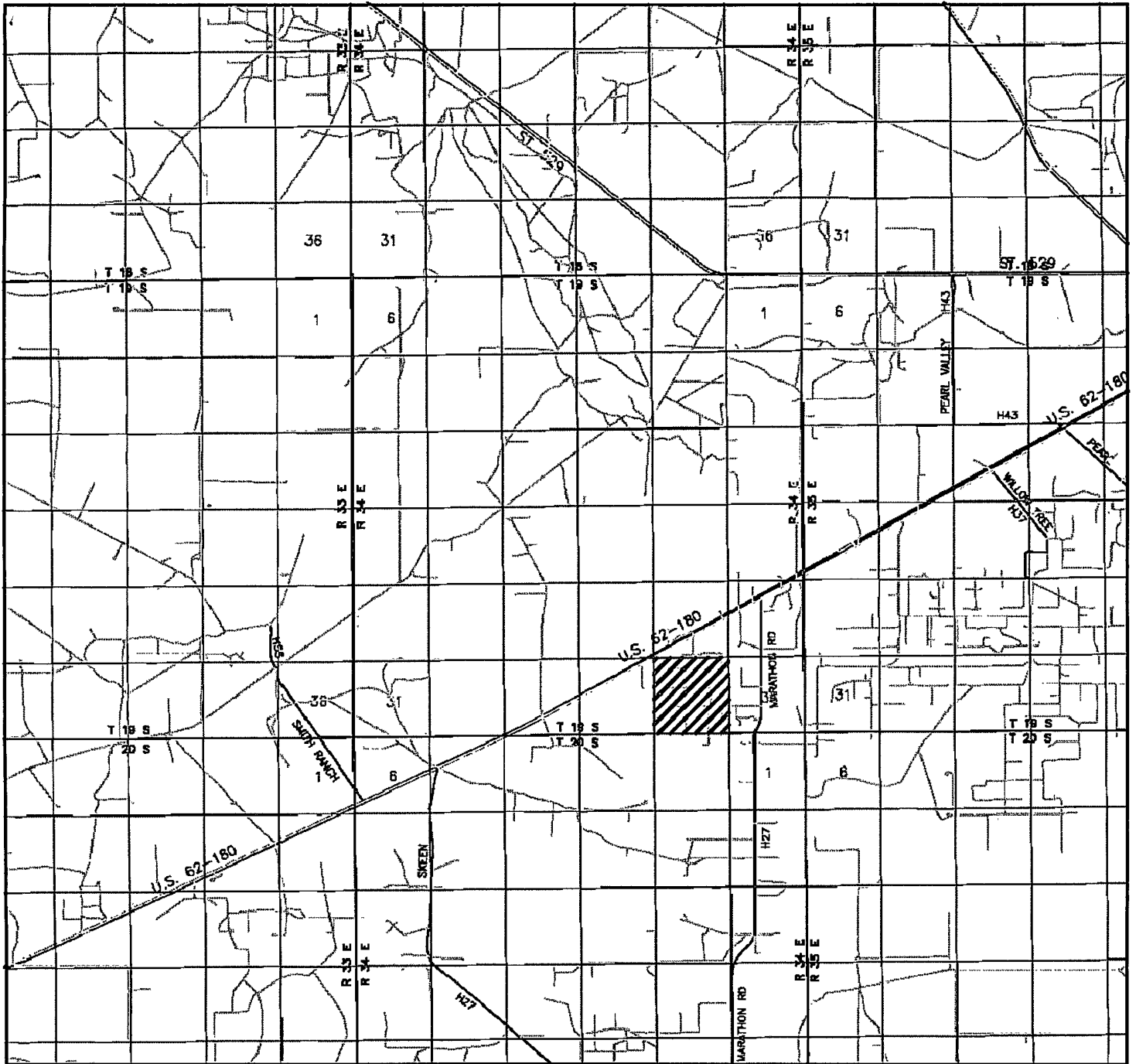
MALLON "35" FEDERAL #4
 Located at 660' FSL and 660' FWL
 Section 35, Township 19 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.

basin SURVEYS
 focused on excellence
 in the oilfield

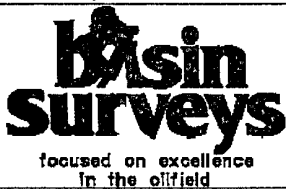
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

W.O. Number: JMS 20337
Survey Date: 09-06-2008
Scale: 1" = 2000'
Date: 09-08-2008

**CIMAREX
 ENERGY CO.
 OF COLORADO**



MALLON "35" FEDERAL #4
 Located at 660' FSL and 660' FWL
 Section 35, Township 19 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin-surveys.com

W.O. Number: JMS 20337

Survey Date: 09-06-2008

Scale: 1" = 2 MILES

Date: 09-08-2008

**CIMAREX
 ENERGY CO.
 OF COLORADO**



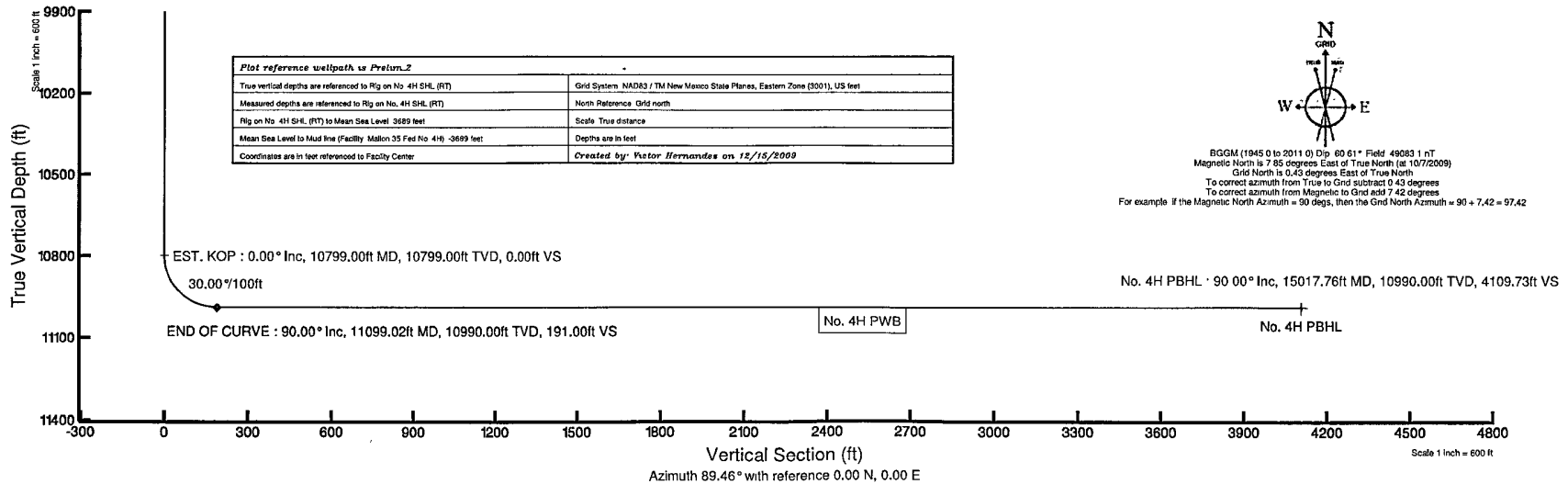
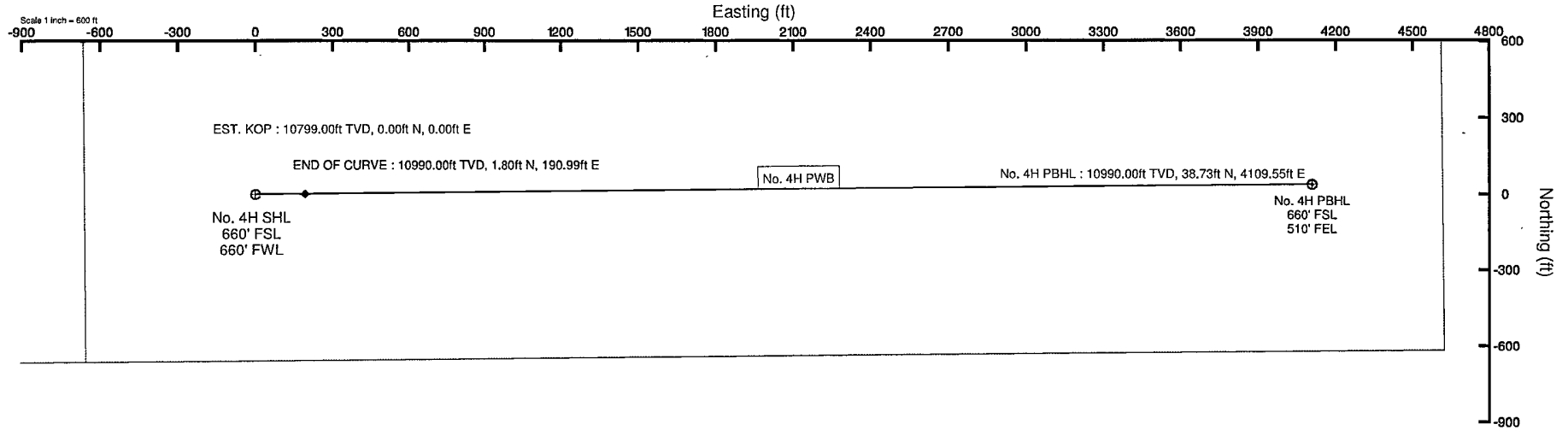
Cimarex Energy Co.

Location: Lea County, NM
 Field: (Mallon) Sec 35, T19S, R34E
 Facility: Mallon 35 Fed No. 4H

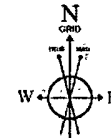
Slot: No. 4H SHL
 Well: No. 4H
 Wellbore: No. 4H PWB



Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	89.460	0.00	0.00	0.00	0.00	0.00
EST. KOP	10799.00	0.000	89.460	10799.00	0.00	0.00	0.00	0.00
END OF CURVE	11099.02	90.000	89.460	10990.00	1.80	190.99	30.00	191.00
No. 4H PBHL	15017.76	90.000	89.460	10990.00	38.73	4109.55	0.00	4109.73



Plot reference wellpath as Prelim.2	
True vertical depths are referenced to Rig on No. 4H SHL (RT)	Grid System: NAD83 / TN New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 4H SHL (RT)	North Reference: Grid north
Rig on No. 4H SHL (RT) to Mean Sea Level 3689 feet	Scale: True distance
Mean Sea Level to Mud line (Facility Mallon 35 Fed No. 4H) -3689 feet	Depths are in feet
Coordinates are in feet referenced to Facility Center	Created by: Victor Hernandez on 12/15/2009



BGM (1945 0 to 2011 0) Dip: 00.61° Field: 49083 1 nT
 Magnetic North is 7.85 degrees East of True North (at 10/7/2009)
 Grid North is 0.43 degrees East of True North
 To correct azimuth from True to Grid subtract 0.43 degrees
 To correct azimuth from Magnetic to Grid add 7.42 degrees
 For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.42 = 97.42

Vertical Section (ft)
 Azimuth 89.46° with reference 0.00 N, 0.00 E

Scale 1 inch = 600 ft



Planned Wellpath Report

Prelim_2
Page 1 of 4



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No. 4H SHL
Area	Lea County, NM	Well	No. 4H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 4H PWB
Facility	Mallon 35 Fed No. 4H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999978	Report Generated	12/15/2009 at 1:17:45 PM
Convergence at slot	0.43° East	Database/Source file	WA_Midland/No._4H_PWB.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	786447.20	587045.00	32°36'40.736"N	103°32'14.318"W
Facility Reference Pt			786447.20	587045.00	32°36'40.736"N	103°32'14.318"W
Field Reference Pt			786447.20	587045.00	32°36'40.736"N	103°32'14.318"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 4H SHL (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Facility Center	Rig on No. 4H SHL (RT) to Mean Sea Level	3689.00ft
Vertical Reference Pt	Rig on No. 4H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 4H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	89.46°



Planned Wellpath Report

Prelim_2
Page 2 of 4



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No. 4H SHL
Area	Lea County, NM	Well	No. 4H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 4H PWB
Facility	Mallon 35 Fed No. 4H		

WELLPATH DATA (46 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	DLS [°/100ft]	Comments
0.00	0.000	89.460	0.00	0.00	0.00	0.00	786447.20	587045.00	0.00	Tie On
10799.00	0.000	89.460	10799.00	0.00	0.00	0.00	786447.20	587045.00	0.00	EST. KOP
10899.00†	29.998	89.460	10894.49	25.59	0.24	25.58	786472.78	587045.24	30.00	
10999.00†	59.996	89.460	10964.40	95.49	0.90	95.48	786542.68	587045.90	30.00	
11099.00†	89.993	89.460	10990.00	190.98	1.80	190.97	786638.16	587046.80	30.00	
11099.02	90.000	89.460	10990.00	191.00	1.80	190.99	786638.19	587046.80	30.00	END OF CURVE
11199.00†	90.000	89.460	10990.00	290.98	2.74	290.96	786738.16	587047.74	0.00	
11299.00†	90.000	89.460	10990.00	390.98	3.69	390.96	786838.15	587048.68	0.00	
11399.00†	90.000	89.460	10990.00	490.98	4.63	490.96	786938.14	587049.63	0.00	
11499.00†	90.000	89.460	10990.00	590.98	5.57	590.95	787038.14	587050.57	0.00	
11599.00†	90.000	89.460	10990.00	690.98	6.51	690.95	787138.13	587051.51	0.00	
11699.00†	90.000	89.460	10990.00	790.98	7.46	790.94	787238.12	587052.45	0.00	
11799.00†	90.000	89.460	10990.00	890.98	8.40	890.94	787338.12	587053.40	0.00	
11899.00†	90.000	89.460	10990.00	990.98	9.34	990.93	787438.11	587054.34	0.00	
11999.00†	90.000	89.460	10990.00	1090.98	10.28	1090.93	787538.10	587055.28	0.00	
12099.00†	90.000	89.460	10990.00	1190.98	11.23	1190.93	787638.10	587056.22	0.00	
12199.00†	90.000	89.460	10990.00	1290.98	12.17	1290.92	787738.09	587057.17	0.00	
12299.00†	90.000	89.460	10990.00	1390.98	13.11	1390.92	787838.08	587058.11	0.00	
12399.00†	90.000	89.460	10990.00	1490.98	14.05	1490.91	787938.08	587059.05	0.00	
12499.00†	90.000	89.460	10990.00	1590.98	15.00	1590.91	788038.07	587059.99	0.00	
12599.00†	90.000	89.460	10990.00	1690.98	15.94	1690.90	788138.06	587060.94	0.00	
12699.00†	90.000	89.460	10990.00	1790.98	16.88	1790.90	788238.06	587061.88	0.00	
12799.00†	90.000	89.460	10990.00	1890.98	17.82	1890.89	788338.05	587062.82	0.00	
12899.00†	90.000	89.460	10990.00	1990.98	18.77	1990.89	788438.04	587063.76	0.00	
12999.00†	90.000	89.460	10990.00	2090.98	19.71	2090.89	788538.03	587064.71	0.00	
13099.00†	90.000	89.460	10990.00	2190.98	20.65	2190.88	788638.03	587065.65	0.00	
13199.00†	90.000	89.460	10990.00	2290.98	21.59	2290.88	788738.02	587066.59	0.00	
13299.00†	90.000	89.460	10990.00	2390.98	22.54	2390.87	788838.01	587067.53	0.00	
13399.00†	90.000	89.460	10990.00	2490.98	23.48	2490.87	788938.01	587068.48	0.00	
13499.00†	90.000	89.460	10990.00	2590.98	24.42	2590.86	789038.00	587069.42	0.00	



Planned Wellpath Report

Prelim 2
Page 3 of 4



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No. 4H SHL
Area	Lea County, NM	Well	No. 4H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 4H PWB
Facility	Mallon 35 Fed No. 4H		

WELLPATH DATA (46 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	DLS [°/100ft]	Comments
13599.00†	90.000	89.460	10990.00	2690.98	25.36	2690.86	789137.99	587070.36	0.00	
13699.00†	90.000	89.460	10990.00	2790.98	26.31	2790.85	789237.99	587071.30	0.00	
13799.00†	90.000	89.460	10990.00	2890.98	27.25	2890.85	789337.98	587072.25	0.00	
13899.00†	90.000	89.460	10990.00	2990.98	28.19	2990.85	789437.97	587073.19	0.00	
13999.00†	90.000	89.460	10990.00	3090.98	29.13	3090.84	789537.97	587074.13	0.00	
14099.00†	90.000	89.460	10990.00	3190.98	30.08	3190.84	789637.96	587075.07	0.00	
14199.00†	90.000	89.460	10990.00	3290.98	31.02	3290.83	789737.95	587076.02	0.00	
14299.00†	90.000	89.460	10990.00	3390.98	31.96	3390.83	789837.95	587076.96	0.00	
14399.00†	90.000	89.460	10990.00	3490.98	32.90	3490.82	789937.94	587077.90	0.00	
14499.00†	90.000	89.460	10990.00	3590.98	33.85	3590.82	790037.93	587078.84	0.00	
14599.00†	90.000	89.460	10990.00	3690.98	34.79	3690.81	790137.93	587079.79	0.00	
14699.00†	90.000	89.460	10990.00	3790.98	35.73	3790.81	790237.92	587080.73	0.00	
14799.00†	90.000	89.460	10990.00	3890.98	36.67	3890.81	790337.91	587081.67	0.00	
14899.00†	90.000	89.460	10990.00	3990.98	37.62	3990.80	790437.90	587082.61	0.00	
14999.00†	90.000	89.460	10990.00	4090.98	38.56	4090.80	790537.90	587083.56	0.00	
15017.76	90.000	89.460	10990.00	4109.73	38.73	4109.55	790556.65	587083.73	0.00	No. 4H PBHL



Planned Wellpath Report

Prelim_2
Page 4 of 4



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Slot	No. 4H SHL
Area	Lea County, NM	Well	No. 4H
Field	(Mallon) Sec 35, T19S, R34E	Wellbore	No. 4H PWB
Facility	Mallon 35 Fed No. 4H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 4H PBHL	15017.76	10990.00	38.73	4109.55	790556.65	587083.73	32°36'40.812"N	103°31'26.273"W	point

SURVEY PROGRAM Ref Wellbore: No. 4H-PWB Ref Wellpath: Prelim_2				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	15017.76	NaviTrak (Standard)		No. 4H PWB