

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.

NM-100586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Wagon Wheel 13 ST Federal No. 2

9. API WELL NO.

30-015-33483

10. FIELD AND POOL, OR WILDCAT

Indian Basin; Morrow, SW (Gas)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 13-T22S-R22E

12. COUNTY OR PARISH
Eddy13. STATE
NM

1a. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

2. NAME OF OPERATOR

Cimarex Energy Co.

3. ADDRESS AND TELEPHONE NO.

P O Box 140907 Irving Tx. 75014-0907

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1650' FNL & 1980' FEL

At top prod. interval reported below N/A - Well TA

At total depth 753' FNL & 2497' FWL

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

12-13-04

16. DATE T.D. REACHED

01-04-05

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)*

4360' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

MD 10215' TVD 9989'

21. PLUG, BACK T.D., MD & TVD

MD 10123' TVD 10025'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

N/A - Well TA

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Spaced Neutron GRL, Dual Laterolog Micro-SFL, Cement Bond Log

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" H-40	54.5 #	1080'	17-1/2"	800sx C/TOC 0' (cemented during 1st compl)	
9-5/8" J-55	36 #	2321'	12-1/4"	505sx PozC TOC 0' (cemented during 1st compl)	
5-1/2" N-80	17#	10215'	7-7/8"	670sx 50/50 Poz TOC 5342'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	8558'	

31. PERFORATION RECORD (Interval, size and number)

9682' - 9706' 6 SPF 60 Holes CIBP @ 9650' w/ 35' cement
8606' - 8628' 6 SPF 138 Holes CIBP @ 8580' w/ 35' cement
7536' - 7545' 6 SPF 54 Holes CIBP @ 7480' w/ 52.5' cement

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9682' - 9706'	114030gal foam CO2 13978# 20/40 SinBa
8606' - 8628'	3500gal 7.5% NEFE HCL 175 7/8" RCNBS
8606' - 8628'	60000gal foam 7% KCL/CO2 48000# 18/40 VProp
7536' - 7545'	5000gal 15% NEFE HCL 100 7/8" RCNBS

33. PRODUCTION

DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) TA	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
ACCEPTED FOR RECORD							
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

FEB 15 2006

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Electric logs and Deviation Report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Reg Tech

DATE 01-24-06

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Bone Spring	6065'	
Wolfcamp	6177'	
Cisco	7614'	
Canyon	6178'	
Strawn	8330'	
Morrow	9393'	
Morrow Lower	9723'	

DISTRICT I
P.O. Box 1800, Hobbs, NM 88241-1800

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer 110, Aracoma, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

DISTRICT IV
P.O. Box 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33483	Pool Code	Pool Name Indian Basin; Morrow, SW (Gas)
Property Code	Property Name WAGON WHEEL 13 ST Federal	Well Number 2
OGRID No. 215099	Operator Name CIMAREX ENERGY COMPANY	Elevation 4343'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	22-S	22-E		1650'	NORTH	1980'	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
C	13	22-S	22-E		753'	NORTH	2497'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	Y		R-11231

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

753' 2497' 840' 2137' 4342.7' 4335.5' 1980' 4348.0' 4343.5' 600' SHL Wagon Wheel 13 ST Fed #2 NM-100586 Wagon Wheel 13 Fed #1 1980' GEODETIC COORDINATES NAD 77 NME Y=507078.6 N X=400926.7 E LAT.=32°23'37.19" N LONG.=104°39'15.51" W 1980'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Zeno Farris</u> Signature Zeno Farris Printed Name Mgr Operations Admin Title December 29, 2005 Date 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. APRIL 29, 2004 Date Surveyed _____ LA Signature of Professional Surveyor <u>Barry Jackson</u> Professional Surveyor NEW MEXICO 04.11.0471 Cert. No. GARY 2004 12044
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CIMAREX

Cimarex Energy Co., Inc.

**Eddy Co., New Mexico
Wagon Wheel 13 Fed #2
Wagon Wheel 13 Fed #2
S-Well #1**

Survey: MWD Survey #1

Standard Survey Report

03 January, 2005





Black Viper Energy Services

Survey Report



Database: EDM 2003.5 Single User Db
Company: Cimarex Energy Co., Inc.
Project: Eddy Co., New Mexico
Site: Wagon Wheel 13 Fed #2
Well: Wagon Wheel 13 Fed #2
Wellbore: S-Well #1
Design: S-Well #1

Local Co-ordinate Reference: Well Wagon Wheel 13 Fed #2
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Eddy Co., New Mexico

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Ground Level

Site Wagon Wheel 13 Fed #2, Sec 13, T 22S, R 22E

Site Position: Northing: 512561.57 ft Latitude: 32° 24' 32.044" N
From: Lat/Long Easting: 423807.83 ft Longitude: 104° 34' 48.803" W
Position Uncertainty: ft Slot Radius: in Grid Convergence: -0.13 °

Well Wagon Wheel 13 Fed #2

Well Position +N/-S 0.00 ft Northing: 512561.57 ft Latitude: 32° 24' 32.044" N
+E/-W 0.00 ft Easting: 423807.83 ft Longitude: 104° 34' 48.803" W
Position Uncertainty ft Wellhead Elevation: ft Ground Level: 0.00 ft

Wellbore S-Well #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	10/7/2004	9.05	60.41	49452

Design S-Well #1

Audit Notes:

Version: 1.0 Phase: ACTUAL Tie On Depth: 5300.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	318.37

Survey Program Date 12/30/2004

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	5300.00	Gyro Survey #1 (OH)	GM	Gyro Multi-Shot
5321.00	9680.00	MWD Survey #1 (S-Well #1)	MWD	Standard MWD

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5300.00	3.77	259.18	5297.96	10.94	-77.10	59.40	0.00	0.00	0.00
5321.00	4.00	261.40	5318.91	10.70	-78.50	60.15	1.31	1.10	10.57
First MWD Survey									
5353.00	4.30	265.00	5350.82	10.43	-80.80	61.48	1.24	0.94	11.25
5385.00	5.90	283.90	5382.70	10.72	-83.59	63.55	7.19	5.00	59.06
5417.00	7.70	287.60	5414.47	11.77	-87.23	66.75	5.79	5.62	11.56
5448.00	8.50	296.50	5445.16	13.42	-91.26	70.66	4.79	2.58	28.71
5479.00	8.80	308.70	5475.81	15.92	-95.17	75.12	5.99	0.97	39.35
5511.00	9.10	320.90	5507.43	19.42	-98.67	80.06	5.99	0.94	38.12
5544.00	9.00	323.80	5540.02	23.53	-101.84	85.24	1.41	-0.30	8.79
5639.00	12.10	324.20	5633.40	37.60	-112.06	102.55	3.26	3.26	0.42



Black Viper Energy Services

Survey Report



Database: EDM 2003.5 Single User Db
Company: Cimarex Energy Co., Inc.
Project: Eddy Co., New Mexico
Site: Wagon Wheel 13 Fed #2
Well: Wagon Wheel 13 Fed #2

Local Co-ordinate Reference: Well Wagon Wheel 13 Fed #2
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Wellbore: S-Well #1
Design: S-Well #1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5733.00	16.00	321.50	5724.57	55.74	-125.89	125.29	4.21	4.15	-2.87
5827.00	19.60	321.80	5814.05	78.27	-143.71	153.98	3.83	3.83	0.32
5923.00	21.00	322.90	5904.09	104.65	-164.05	187.20	1.51	1.46	1.15
6019.00	20.80	321.70	5993.77	131.74	-184.99	221.36	0.49	-0.21	-1.25
6050.00	20.20	321.60	6022.81	140.26	-191.72	232.20	1.94	-1.94	-0.32
6113.00	21.40	320.60	6081.70	157.66	-205.78	254.55	1.99	1.90	-1.59
6208.00	21.00	319.90	6170.27	184.08	-227.74	288.88	0.50	-0.42	-0.74
6301.00	20.80	322.60	6257.16	209.94	-248.50	322.01	1.06	-0.22	2.90
6399.00	20.00	322.10	6349.01	236.99	-269.37	356.09	0.84	-0.82	-0.51
6494.00	20.70	320.50	6438.08	262.77	-290.03	389.08	0.94	0.74	-1.68
6589.00	21.00	320.80	6526.86	288.91	-311.47	422.86	0.34	0.32	0.32
6683.00	19.70	320.80	6614.99	314.25	-332.13	455.52	1.38	-1.38	0.00
6779.00	16.90	318.40	6706.13	337.22	-351.62	485.65	3.02	-2.92	-2.50
6872.00	20.00	322.40	6794.34	359.94	-370.31	515.04	3.60	3.33	4.30
6967.00	20.80	325.10	6883.38	386.65	-389.87	548.00	1.30	0.84	2.84
7063.00	19.20	322.60	6973.59	413.17	-409.21	580.67	1.89	-1.67	-2.60
7158.00	21.00	323.40	7062.80	439.25	-428.85	613.21	1.92	1.89	0.84
7252.00	20.20	322.30	7150.79	465.61	-448.82	646.18	0.95	-0.85	-1.17
7347.00	20.80	322.40	7239.78	491.95	-469.14	679.37	0.63	0.63	0.11
7442.00	20.70	322.70	7328.61	518.67	-489.60	712.93	0.15	-0.11	0.32
7537.00	22.50	321.50	7416.94	546.26	-511.10	747.83	1.95	1.89	-1.26
7632.00	22.10	321.30	7504.84	574.43	-533.59	783.83	0.43	-0.42	-0.21
7727.00	24.10	320.90	7592.21	603.43	-556.99	821.06	2.11	2.11	-0.42
7820.00	24.30	321.70	7677.04	633.18	-580.83	859.13	0.41	0.22	0.86
7917.00	23.40	322.40	7765.76	664.11	-604.95	898.27	0.97	-0.93	0.72
8012.00	21.90	316.40	7853.44	691.89	-628.68	934.80	2.90	-1.58	-6.32
8107.00	19.60	313.70	7942.27	715.73	-652.43	968.39	2.62	-2.42	-2.84
8139.00	17.30	314.70	7972.63	722.79	-659.69	978.49	7.25	-7.19	3.12
8171.00	16.00	315.80	8003.28	729.30	-666.15	987.64	4.18	-4.06	3.44
8202.00	14.70	316.10	8033.18	735.19	-671.85	995.84	4.20	-4.19	0.97
8235.00	13.80	318.60	8065.16	741.16	-677.36	1003.96	3.30	-2.73	7.58
8305.00	11.40	332.10	8133.49	753.54	-686.12	1019.04	5.41	-3.43	19.29
8368.00	11.30	340.60	8195.26	764.87	-691.08	1030.80	2.66	-0.16	13.49
8399.00	12.90	333.40	8225.57	770.83	-693.64	1036.95	7.09	5.16	-23.23
8430.00	13.80	329.80	8255.73	777.12	-697.05	1043.92	3.95	2.90	-11.61
8460.00	13.70	329.60	8284.87	783.27	-700.65	1050.91	0.37	-0.33	-0.67
8492.00	13.40	327.00	8315.98	789.65	-704.59	1058.30	2.12	-0.94	-8.12
8524.00	12.80	325.20	8347.15	795.67	-708.63	1065.48	2.27	-1.87	-5.62
8555.00	13.10	325.20	8377.36	801.38	-712.59	1072.38	0.97	0.97	0.00
8587.00	13.00	321.50	8408.54	807.17	-716.90	1079.57	2.63	-0.31	-11.56
8619.00	12.80	319.00	8439.73	812.66	-721.47	1086.71	1.85	-0.62	-7.81
8651.00	13.60	317.80	8470.88	818.13	-726.32	1094.02	2.64	2.50	-3.75
8683.00	13.90	318.30	8501.97	823.78	-731.41	1101.62	1.01	0.94	1.56
8714.00	13.70	317.30	8532.07	829.26	-736.37	1109.02	1.00	-0.65	-3.23
8746.00	13.30	317.10	8563.19	834.74	-741.45	1116.49	1.26	-1.25	-0.62
8777.00	12.60	316.60	8593.40	839.81	-746.20	1123.43	2.29	-2.26	-1.61
8808.00	12.50	318.00	8623.66	844.76	-750.77	1130.17	1.03	-0.32	4.52
8841.00	12.60	316.50	8655.87	850.03	-755.64	1137.33	1.03	0.30	-4.55
8873.00	11.90	316.50	8687.14	854.95	-760.31	1144.12	2.19	-2.19	0.00
8905.00	11.10	320.00	8718.50	859.70	-764.56	1150.50	3.32	-2.50	10.94
8936.00	11.10	318.60	8748.92	864.23	-768.45	1156.46	0.87	0.00	-4.52
8968.00	10.10	319.40	8780.37	868.67	-772.32	1162.35	3.16	-3.12	2.50
8999.00	9.20	318.30	8810.93	872.58	-775.73	1167.55	2.96	-2.90	-3.55



Black Viper Energy Services

Survey Report



Database: EDM 2003.5 Single User Db
Company: Cimarex Energy Co., Inc.
Project: Eddy Co., New Mexico
Site: Wagon Wheel 13 Fed #2
Well: Wagon Wheel 13 Fed #2
Wellbore: S-Well #1
Design: S-Well #1

Local Co-ordinate Reference: Well Wagon Wheel 13 Fed #2
TVD Reference: WELL @ 0.00ft (Original Well Elev)
MD Reference: WELL @ 0.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9030.00	8.00	316.90	8841.58	876.01	-778.86	1172.18	3.93	-3.87	-4.52
9061.00	7.20	313.90	8872.31	878.93	-781.73	1176.27	2.88	-2.58	-9.68
9092.00	6.50	318.00	8903.09	881.58	-784.30	1179.97	2.75	-2.26	13.23
9123.00	6.10	318.00	8933.90	884.11	-786.58	1183.37	1.29	-1.29	0.00
9154.00	5.70	319.50	8964.74	886.51	-788.68	1186.55	1.38	-1.29	4.84
9185.00	5.60	316.50	8995.59	888.77	-790.72	1189.60	1.01	-0.32	-9.68
9216.00	5.70	319.40	9026.44	891.04	-792.77	1192.66	0.98	0.32	9.35
9254.00	5.10	318.30	9064.27	893.73	-795.12	1196.23	1.60	-1.58	-2.89
9286.00	4.10	318.90	9096.17	895.66	-796.81	1198.80	3.13	-3.12	1.87
9317.00	3.00	313.40	9127.11	897.05	-798.13	1200.71	3.71	-3.55	-17.74
9348.00	1.70	321.60	9158.08	897.97	-799.01	1201.98	4.32	-4.19	26.45
9380.00	1.70	320.70	9190.06	898.71	-799.60	1202.93	0.08	0.00	-2.81
9411.00	1.70	321.00	9221.05	899.42	-800.18	1203.85	0.03	0.00	0.97
9443.00	1.50	304.70	9253.04	900.03	-800.83	1204.73	1.55	-0.62	-50.94
9475.00	1.00	280.60	9285.03	900.32	-801.45	1205.36	2.23	-1.56	-75.31
9506.00	0.80	194.00	9316.03	900.16	-801.76	1205.45	4.01	-0.65	-279.35
9537.00	1.00	193.70	9347.02	899.68	-801.88	1205.17	0.65	0.65	-0.97
9568.00	1.00	199.90	9378.02	899.17	-802.04	1204.89	0.35	0.00	20.00
9599.00	0.90	201.40	9409.02	898.69	-802.22	1204.65	0.33	-0.32	4.84
9630.00	1.00	202.00	9440.01	898.21	-802.41	1204.42	0.32	0.32	1.94
Last MWD Survey									
9680.00	1.16	202.97	9490.00	897.34	-802.77	1204.01	0.32	0.32	1.94
Proj to Bit - TD									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Target #1 (WW13F#2)	0.00	0.00	9130.00	900.00	-800.00	513461.57	423007.83	32° 24' 40.932" N	104° 34' 58.160" W
-Rectangle (sides W260.00 H200.00 D0.00)									
PBHL - TD(WW13F#2)	0.00	0.00	9950.00	900.00	-800.00	513461.57	423007.83	32° 24' 40.932" N	104° 34' 58.160" W
-Rectangle (sides W260.00 H200.00 D0.00)									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5321.00	5318.91	10.70	-78.50	First MWD Survey
9630.00	9440.01	898.21	-802.41	Last MWD Survey
9680.00	9490.00	897.34	-802.77	Proj to Bit - TD



Project: Winkler Co., Texas
 Site: Stickledstad #1H
 Well: Stickledstad #1H
 Wellbore: Lateral #1
 Plan: Plan #5

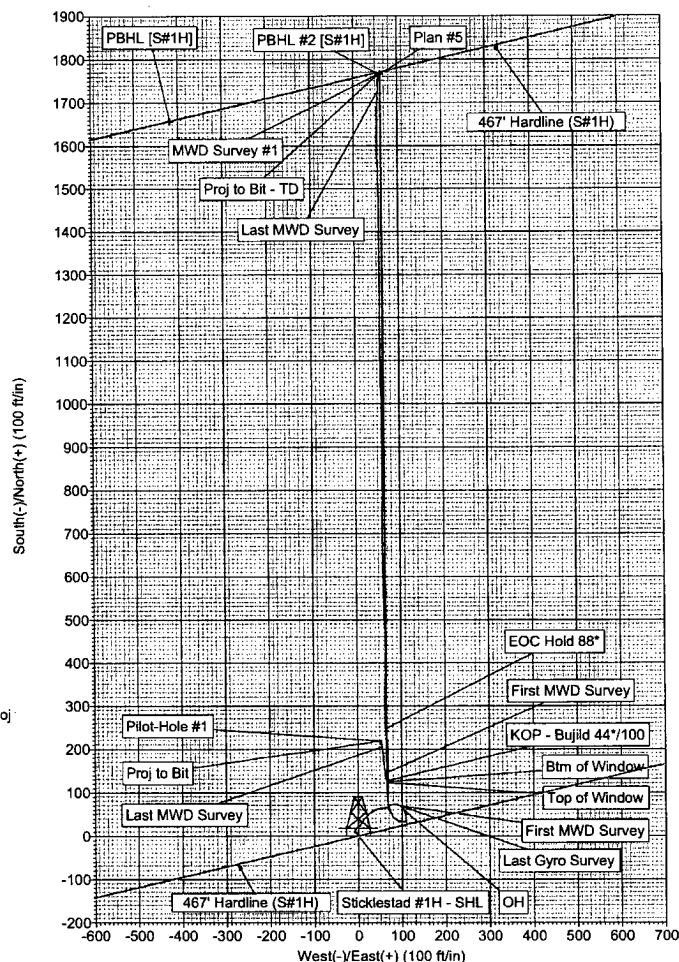
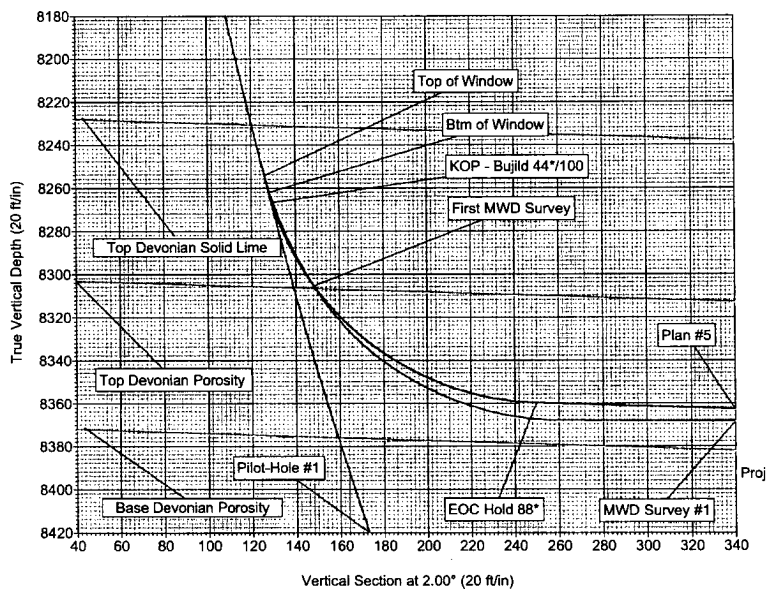


ANNOTATIONS

TVD	MD	Annotation
8254.13	8268.00	Top of Window
8261.85	8276.00	Btm of Window
8266.65	8281.00	KOP - Bujild 44"/100
8360.00	8443.93	EOC Hold 88"

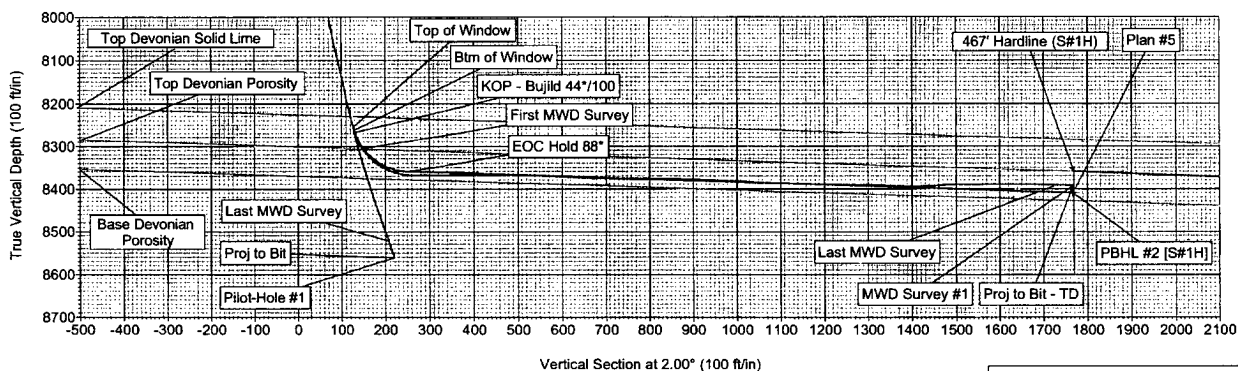


Azimuths to Grid North
 True North: 1.27°
 Magnetic North: 9.16°
 Magnetic Field
 Strength: 49178.1nT
 Dip Angle: 60.26°
 Date: 10/17/2005
 Model: IGRF200510



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8262.00	13.60	355.30	8248.30	122.22	66.32	0.00	0.00	124.46	
2	8268.00	13.74	354.48	8254.13	123.63	66.20	3.98	305.45	125.87	
3	8276.00	16.40	359.85	8261.85	125.71	66.10	37.52	30.31	127.94	
4	8281.00	16.40	359.85	8266.65	127.12	66.10	0.00	0.00	129.35	
5	8443.93	88.11	359.85	8360.00	247.71	65.78	44.01	0.00	249.86	
6	9962.44	88.11	359.85	8410.00	1765.39	61.75	0.00	0.00	1766.47	PBHL #2 [S#1H]



Plan: Plan #5 (Stickledstad #1H/Lateral #1)
 Created By: John Hattberg Date: 10/17/2005

OPERATOR CIMAREX ENERGY CO
WELL/LEASE WAGON WHEEL 13 FED #2 RE-ENTRY
COUNTY EDDY, NM

510-5061

STATE OF NEW MEXICO
DEVIATION REPORT

5321	4.00	8036	21.90	9030	8.00
5353	4.30	8067	21.90	9061	7.20
5385	5.90	8099	21.70	9092	6.50
5417	7.70	8133	20.90	9123	6.10
5448	8.50	8163	19.60	9154	5.70
5479	8.80	8195	17.30	9185	5.60
5670	13.60	8227	16.00	9274	5.70
5796	18.30	8258	14.70	9305	5.70
5826	19.60	8290	13.80	9338	4.10
5859	21.00	8322	12.50	9431	1.70
6208	21.00	8337	10.70	9462	1.70
6239	21.30	8368	11.30	9441	1.50
6270	21.40	8430	13.70	9475	1.00
6390	20.30	8461	13.70	9506	0.80
6422	20.40	8493	13.40	9568	1.00
6430	19.20	8576	12.80	9599	0.90
6652	20.10	8607	13.10	9630	1.00
6771	19.70	8619	13.00	10215	1.00
6961	20.80	8651	13.60		
6999	19.80	8683	13.90		
7031	18.90	8861	12.50		
7252	20.20	8893	12.60		
7283	20.60	8957	11.10		
7315	21.10	8988	11.10		
7972	23.40	9020	10.10		
8004	23.40	8999	9.20		

STATE OF TEXAS
COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on January 13, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

Notary Public for Midland County, Texas
My Commission Expires: 8/23/07