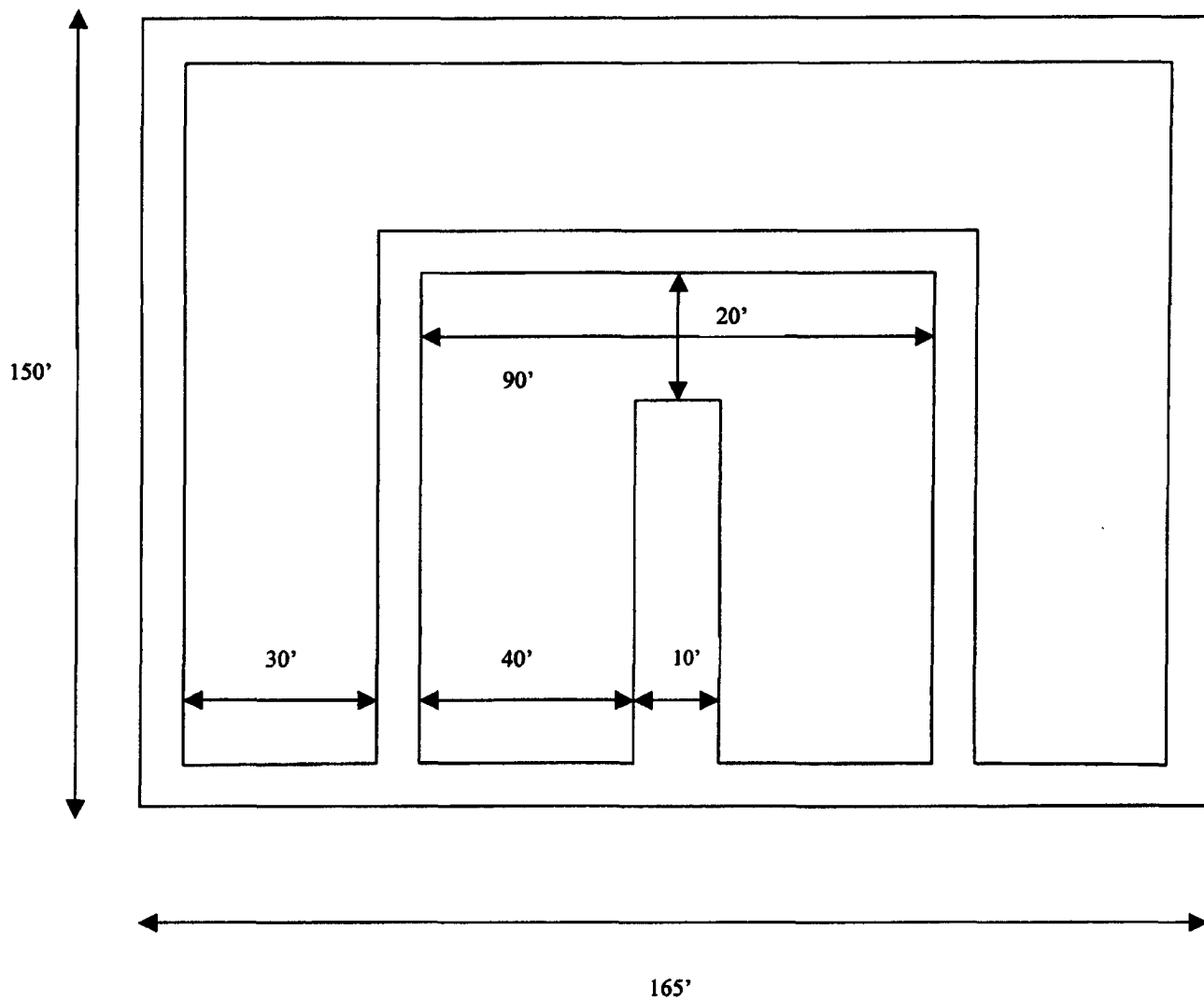


30-005-63912

New Mexico Double Horseshoe Reserve Pit Design



Approximate Inside Reserve Volume: 4500 bbls
Approximate Outside Reserve Volume: 5800 bbls

District I
1625 N. French
District II
1301 W. Grand
District III
1000 Rio Brazos
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-63912	Pool Code 97489	Pool Name WILDCAT; WOLFCAMP (Gas)
Property Code 36359	Property Name AMUR "A" 36 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3359'

Surface Location

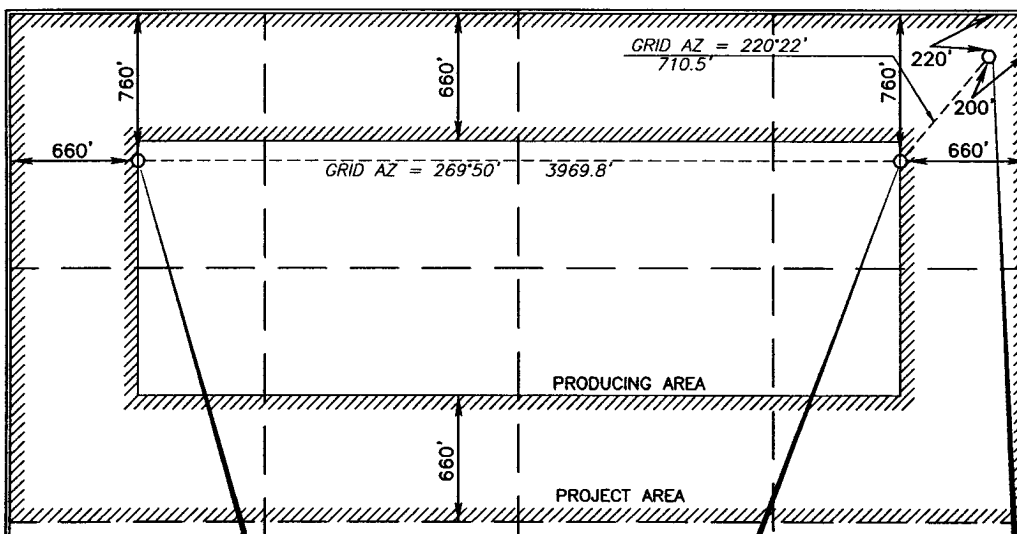
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	15 SOUTH	25 EAST, N.M.P.M.		220'	NORTH	200'	EAST	CHAVES

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
D	36	15 SOUTH	25 EAST, N.M.P.M.		760'	NORTH	660'	WEST	CHAVES

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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.



BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
Y=719126.4
X=478953.4
LAT.: N 32.9769300°
LONG.: W 104.4019645°

ENTRY POINT
NEW MEXICO EAST
NAD 1927
Y=719137.8
X=482923.1
LAT.: N 32.9769678°
LONG.: W 104.3890194°

SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
Y=719679.2
X=483383.3
LAT.: N 32.9784563°
LONG.: W 104.3875197°

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 or has a right to drill this well at this 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.

Donny G. Glanton 3/7/07
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079
DECEMBER 12, 2006
Date of Survey

Signature and Seal of Professional Surveyor

Terry J. Asel 2/16/07
Certificate Number 15079

WO# 061212WL-a (JL)

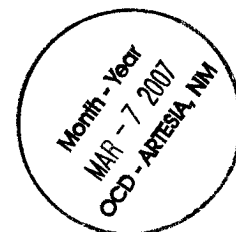
Permit Information:

Well Name: Amur A 36 Fee #1H

Location:

SL 220' FNL & 200' FEL, Section 36, T-15-S, R-25-E, Chaves Co., N.M.

BHL 760' FSL & 660' FWL, Section 36, T-15-S, R-25-E, Chaves Co., N.M.

**Casing Program:**

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,000'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	9,371'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
1,000'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
9,371'	400	Lead: Interfill C + 1/4 pps Flocele
	350	Tail: Premium Cement + 100% Acid Soluble Additive + 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-55

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,000'	Fresh - Gel	8.6-8.8	28-34	N/c
1,000' - 4,700'	Cut Brine	8.8-9.2	28-34	N/c
4,700' - 5,400'	Cut Brine	8.8-9.2	28-34	10-15
4,235' - 9,371'	Polymer (Lateral)	9.0-9.4	40-45	10-20



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600



February 23, 2007

State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Amur A 36 Fee #1H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any H₂S bearing formations during drilling operations.

Sincerely,

A handwritten signature in black ink, appearing to read "J. LaGrega", written over a horizontal line.

Jason LaGrega
Drilling Engineer

Pathfinder Energy Planning Report

Company: EOG Resources	Date: 3/2/2007	Time: 09:15:33	Page: 1
Field: Amur A 36 Fee #1H	Co-ordinate(NE) Reference: Amur A 36 Fee #1H, Grid North		
Site: Amur A 36 Fee #1H	Vertical (TVD) Reference: SITE 0.0		
Well: Amur A 36 Fee #1H	Section (VS) Reference: Well (0.00N,0.00E,262.89Azi)		
Wellbath: OH	Plan:	Plan #1 3-1-07	

Field: Amur A 36 Fee #1H		
Map System: US State Plane Coordinate System 1927	Map Zone:	New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System:	Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model:	igrf2005

Site:		Amur A 36 Fee #1H			
Site Position:		Northing:	719679.20 ft	Latitude:	32 58 42.443 N
From: Map		Easting:	483383.30 ft	Longitude:	104 23 15.071 W
Position Uncertainty:	0.00 ft			North Reference:	Grid
Ground Level:	3359.00 ft			Grid Convergence:	-0.03 deg

Well:	Amur A 36 Fee #1H				Slot Name:				
Well Position:	+N/-S	0.00 ft	Northing:	719679.20 ft	Latitude:	32	58	42.443	N
	+E/-W	0.00 ft	Easting :	483383.30 ft	Longitude:	104	23	15.071	W
Position Uncertainty:		0.00 ft							

Wellpath: OH		Drilled From: Surface
Current Datum: SITE	Height 0.00 ft	Tie-on Depth: 0.00 ft
Magnetic Data: 3/1/2007		Above System Datum: Mean Sea Level
Field Strength: 49452 nT		Declination: 8.52 deg
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.85 deg
ft	ft	ft
4979.00	0.00	262.89

Plan:	Plan #1 3-1-07	Date Composed:	3/1/2007
		Version:	1
Principal:	No	Tied-to:	From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4235.00	0.00	0.00	4235.00	0.00	0.00	0.00	0.00	0.00	0.00	
5376.33	80.00	226.00	5040.00	-469.22	-485.90	7.01	7.01	0.00	226.00	
5710.88	90.00	260.00	5070.00	-617.41	-778.42	10.54	2.99	10.16	75.56	
6710.88	90.00	272.75	5070.00	-680.51	-1774.36	1.27	0.00	1.27	90.00	
6777.05	91.99	272.75	5068.85	-677.33	-1840.44	3.00	3.00	0.01	0.10	
9370.54	91.99	272.75	4979.02	-552.82	-4429.39	0.00	0.00	0.00	0.00	
9371.05	92.00	272.75	4979.00	-552.80	-4429.90	3.00	2.93	-0.66	-12.65	PBHL

Survey

[illegible]

Pathfinder Energy

Planning Report

Company: EOG Resources	Date: 3/2/2007	Time: 09:15:33	Page: 2
Field: Amur A 36 Fee #1H	Co-ordinate(NE) Reference: Amur A 36 Fee #1H, Grid North		
Site: Amur A 36 Fee #1H	Vertical (TVD) Reference: SITE 0.0		
Well: Amur A 36 Fee #1H	Section (VS) Reference: Well (0.00N,0.00E,262.89Azi)		
Wellpath: OH	Plan: Plan #1 3-1-07		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4235.00	0.00	0.00	4235.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	4.56	226.00	4299.93	-1.79	-1.86	2.07	7.01	7.01	0.00	
4325.00	6.31	226.00	4324.82	-3.44	-3.56	3.96	7.01	7.01	0.00	KOP @ 4325' MD/TVD
4400.00	11.57	226.00	4398.88	-11.53	-11.94	13.27	7.01	7.01	0.00	
4500.00	18.57	226.00	4495.38	-29.58	-30.63	34.06	7.01	7.01	0.00	
4600.00	25.58	226.00	4587.99	-55.67	-57.65	64.10	7.01	7.01	0.00	
4700.00	32.59	226.00	4675.32	-89.43	-92.60	102.96	7.01	7.01	0.00	
4800.00	39.60	226.00	4756.07	-130.33	-134.96	150.06	7.01	7.01	0.00	
4900.00	46.61	226.00	4829.04	-177.77	-184.08	204.68	7.01	7.01	0.00	
5000.00	53.62	226.00	4893.12	-231.04	-239.25	266.02	7.01	7.01	0.00	
5100.00	60.63	226.00	4947.36	-289.35	-299.63	333.15	7.01	7.01	0.00	
5200.00	67.64	226.00	4990.96	-351.81	-364.31	405.07	7.01	7.01	0.00	
5300.00	74.65	226.00	5023.26	-417.51	-432.35	480.72	7.01	7.01	0.00	
5376.33	80.00	226.00	5040.00	-469.22	-485.90	540.26	7.01	7.01	0.00	
5400.00	80.63	228.45	5043.98	-485.07	-503.02	559.21	10.54	2.67	10.35	
5500.00	83.47	238.70	5057.85	-543.76	-582.61	645.46	10.54	2.84	10.25	
5600.00	86.51	248.84	5066.61	-587.71	-671.85	739.46	10.54	3.04	10.13	
5700.00	89.66	258.91	5069.97	-615.42	-767.73	838.03	10.54	3.15	10.07	
5710.88	90.00	260.00	5070.00	-617.41	-778.42	848.88	10.54	3.17	10.05	EOC @ 5710' MD, 5070' TVD
5800.00	90.00	261.14	5070.00	-632.02	-866.34	937.93	1.27	0.00	1.27	
5900.00	90.00	262.41	5070.00	-646.33	-965.31	1037.91	1.27	0.00	1.27	
6000.00	90.00	263.69	5070.00	-658.43	-1064.57	1137.91	1.27	0.00	1.27	
6100.00	90.00	264.96	5070.00	-668.32	-1164.08	1237.88	1.27	0.00	1.27	
6200.00	90.00	266.24	5070.00	-675.99	-1263.78	1337.76	1.27	0.00	1.27	

Pathfinder Energy

Planning Report

Company: EOG Resources
 Field: Amur A 36 Fee #1H
 Site: Amur A 36 Fee #1H
 Well: Amur A 36 Fee #1H
 Wellpath: OH

Date: 3/2/2007 Time: 09:15:33 Page: 3
 Co-ordinate(NE) Reference: Amur A 36 Fee #1H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,262.89Azi)
 Plan: Plan #1 3-1-07

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6300.00	90.00	267.51	5070.00	-681.44	-1363.63	1437.52	1.27	0.00	1.27	
6400.00	90.00	268.79	5070.00	-684.68	-1463.58	1537.09	1.27	0.00	1.27	
6500.00	90.00	270.06	5070.00	-685.68	-1563.57	1636.44	1.27	0.00	1.27	
6600.00	90.00	271.34	5070.00	-684.46	-1663.56	1735.51	1.27	0.00	1.27	
6700.00	90.00	272.61	5070.00	-681.02	-1763.50	1834.25	1.27	0.00	1.27	
6710.88	90.00	272.75	5070.00	-680.51	-1774.36	1844.97	1.27	0.00	1.27	
6777.05	91.99	272.75	5068.85	-677.33	-1840.44	1910.15	3.00	3.00	0.01	End Turn @ 272.75° AZI, B
6800.00	91.99	272.75	5068.06	-676.23	-1863.36	1932.75	0.00	0.00	0.00	End Build @ 6777' MD, 91.99°
6900.00	91.99	272.75	5064.59	-671.43	-1963.18	2031.21	0.00	0.00	0.00	
7000.00	91.99	272.75	5061.13	-666.63	-2063.01	2129.68	0.00	0.00	0.00	
7100.00	91.99	272.75	5057.67	-661.83	-2162.83	2228.14	0.00	0.00	0.00	
7200.00	91.99	272.75	5054.20	-657.03	-2262.65	2326.60	0.00	0.00	0.00	
7300.00	91.99	272.75	5050.74	-652.23	-2362.48	2425.06	0.00	0.00	0.00	
7400.00	91.99	272.75	5047.28	-647.43	-2462.30	2523.52	0.00	0.00	0.00	
7500.00	91.99	272.75	5043.81	-642.62	-2562.13	2621.98	0.00	0.00	0.00	
7600.00	91.99	272.75	5040.35	-637.82	-2661.95	2720.45	0.00	0.00	0.00	
7700.00	91.99	272.75	5036.88	-633.02	-2761.78	2818.91	0.00	0.00	0.00	
7800.00	91.99	272.75	5033.42	-628.22	-2861.60	2917.37	0.00	0.00	0.00	
7900.00	91.99	272.75	5029.96	-623.42	-2961.43	3015.83	0.00	0.00	0.00	
8000.00	91.99	272.75	5026.49	-618.62	-3061.25	3114.29	0.00	0.00	0.00	
8100.00	91.99	272.75	5023.03	-613.82	-3161.08	3212.76	0.00	0.00	0.00	
8200.00	91.99	272.75	5019.56	-609.02	-3260.90	3311.22	0.00	0.00	0.00	
8300.00	91.99	272.75	5016.10	-604.22	-3360.73	3409.68	0.00	0.00	0.00	
8400.00	91.99	272.75	5012.64	-599.42	-3460.55	3508.14	0.00	0.00	0.00	
8500.00	91.99	272.75	5009.17	-594.62	-3560.37	3606.60	0.00	0.00	0.00	
8600.00	91.99	272.75	5005.71	-589.82	-3660.20	3705.07	0.00	0.00	0.00	
8700.00	91.99	272.75	5002.24	-585.02	-3760.02	3803.53	0.00	0.00	0.00	
8800.00	91.99	272.75	4998.78	-580.21	-3859.85	3901.99	0.00	0.00	0.00	
8900.00	91.99	272.75	4995.32	-575.41	-3959.67	4000.45	0.00	0.00	0.00	
9000.00	91.99	272.75	4991.85	-570.61	-4059.50	4098.91	0.00	0.00	0.00	
9100.00	91.99	272.75	4988.39	-565.81	-4159.32	4197.37	0.00	0.00	0.00	
9200.00	91.99	272.75	4984.93	-561.01	-4259.15	4295.84	0.00	0.00	0.00	
9300.00	91.99	272.75	4981.46	-556.21	-4358.97	4394.30	0.00	0.00	0.00	
9371.05	92.00	272.75	4979.00	-552.80	-4429.90	4464.26	0.02	0.02	0.00	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
PBHL		4979.00	-552.80	-4429.90	719126.40	478953.40	32	58	36.947 N	104	24	7.072 W

Annotation

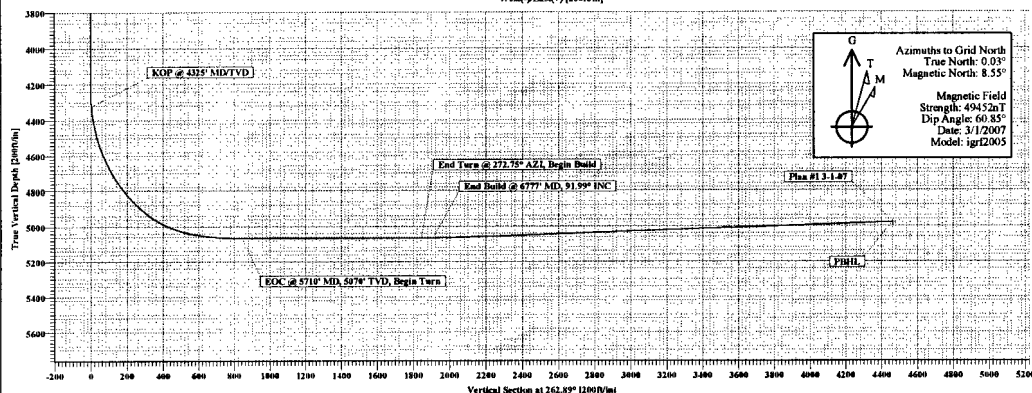
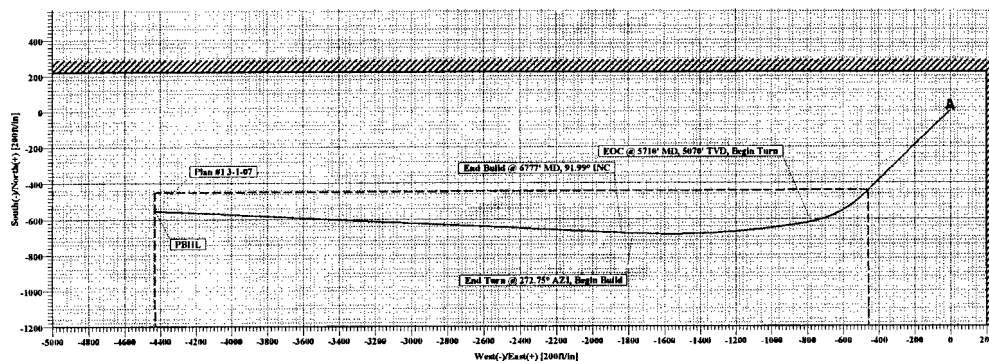
MD ft	TVD ft	
4325.00	4324.82	KOP @ 4325' MD/TVD
5710.88	5070.00	EOC @ 5710' MD, 5070' TVD, Begin Turn
6710.88	5070.00	End Turn @ 272.75° AZI, Begin Build
6777.05	5068.85	End Build @ 6777' MD, 91.99° INC



Field: Amur A 36 Fee #1H
 Site: Amur A 36 Fee #1H
 Well: Amur A 36 Fee #1H
 Wellpath: OH
 Plan: Plan #1 3-1-07

PATHFINDER

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4235.00	0.00	0.00	4235.00	0.00	0.00	0.00	0.00	0.00	
3	5376.33	80.00	226.00	5040.00	-469.22	-485.90	7.01	226.00	540.26	
4	5710.88	90.00	260.00	5070.00	-617.41	-778.42	10.54	75.56	848.88	
5	6710.88	90.00	272.75	5070.00	-680.51	-1774.36	1.27	90.00	1844.97	
6	6777.05	91.99	272.75	5068.85	-677.33	-1840.44	3.00	0.10	1910.15	
7	9370.54	91.99	272.75	4979.02	-552.82	-4429.39	0.00	0.00	4463.76	
8	9371.05	92.00	272.75	4979.00	-552.80	-4429.90	3.00	-12.65	4464.26	PBHL



SITE DETAILS			
Amur A 36 Fee #1H			
Site Centre Northing:	719679.20		
Easting:	483383.30		
Ground Level:	3359.00		
Positional Uncertainty:	0.00		
Convergence:	-0.03		

TARGET DETAILS				
Name	TVD	+N-S	+E-W	Shape
PBHL	4979.00	-552.80	-4429.90	Point

WELLPATH DETAILS				
OH				
Rig:	SITE 000R			
Ref. Datum:				
V. Section	Origin	Origin	Starting	
Angle	+N-S	+E-W	From	TVD
262.89°	0.00	0.00	4979.00	

ANNOTATIONS			
No.	TVD	MD	Annotation
1	4324.82	4325.00	KOP @ 4325 MD/TVD
2	5070.00	5710.88	EOC @ 5710 MD, 5070 TVD, Begin Turn
3	5070.00	6710.88	End Turn @ 272.75° AZI, Begin Build
4	5068.85	6777.05	End Build @ 6777 MD, 91.99° INC

Plan: Plan #1 3-1-07 (Amur A 36 Fee #1H)OH
 Created By: Mark Tucker Date: 10/10/07