

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Mineral & Natural Resources Department
OIL & GAS SURVEYOR DIVISION
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Month Recd
MAR - 7 2007
OCD - Artesia, NM

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 30-015-35466		Pool Code 75250	Pool Name Cottonwood Creek; Wolfcamp (Gas)
Property Code 36361	Property Name GANGES "A" 2 FEE		Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3432'

Surface Location

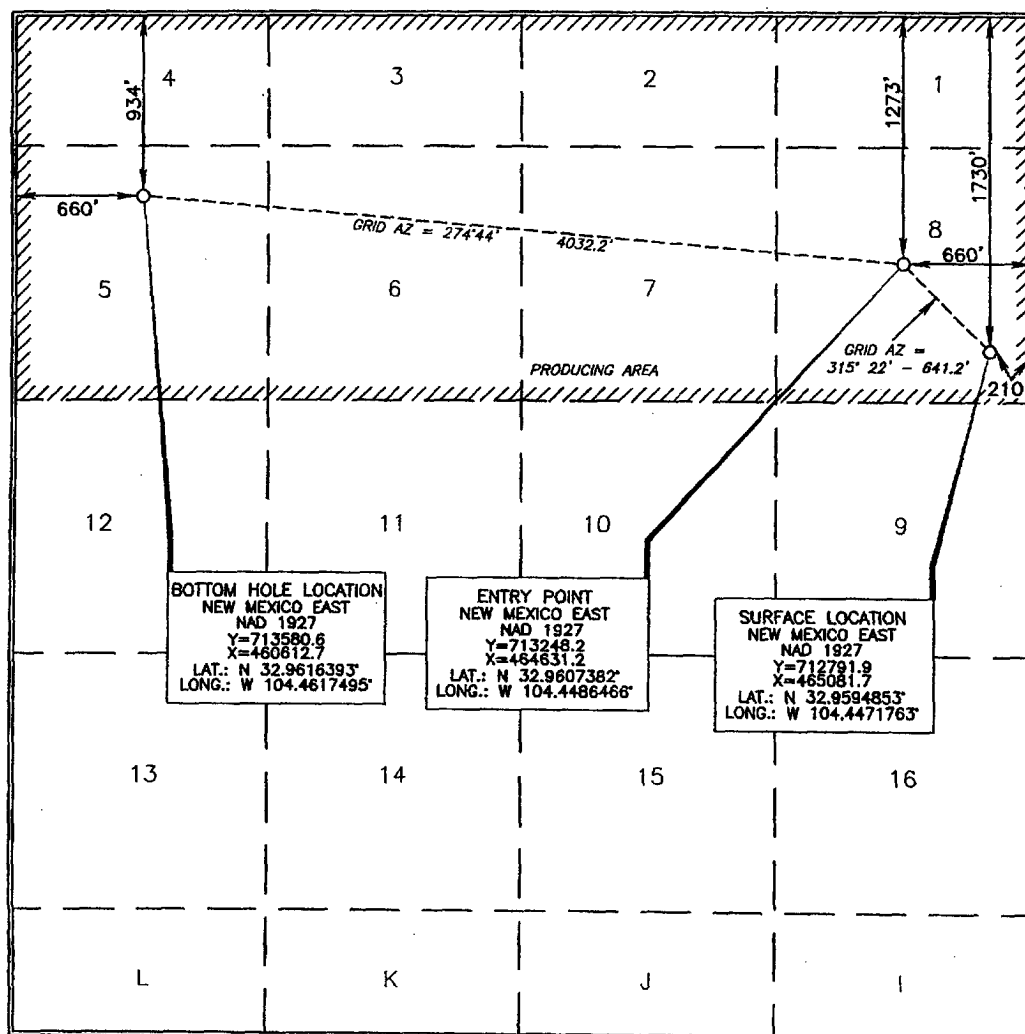
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
8	2	16 SOUTH	25 EAST, N.M.P.M.		1730'	NORTH	210'	EAST	EDDY

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
5	2	16 SOUTH	25 EAST, N.M.P.M.		934'	NORTH	660'	WEST	EDDY

Dedicated Acres 233.0	Joint or Infill	Consolidation Code	Order No.
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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.



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 3/5/07
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 of (actual surveys) made by me or under my supervision, and that the same is true and correct to the best of my belief.

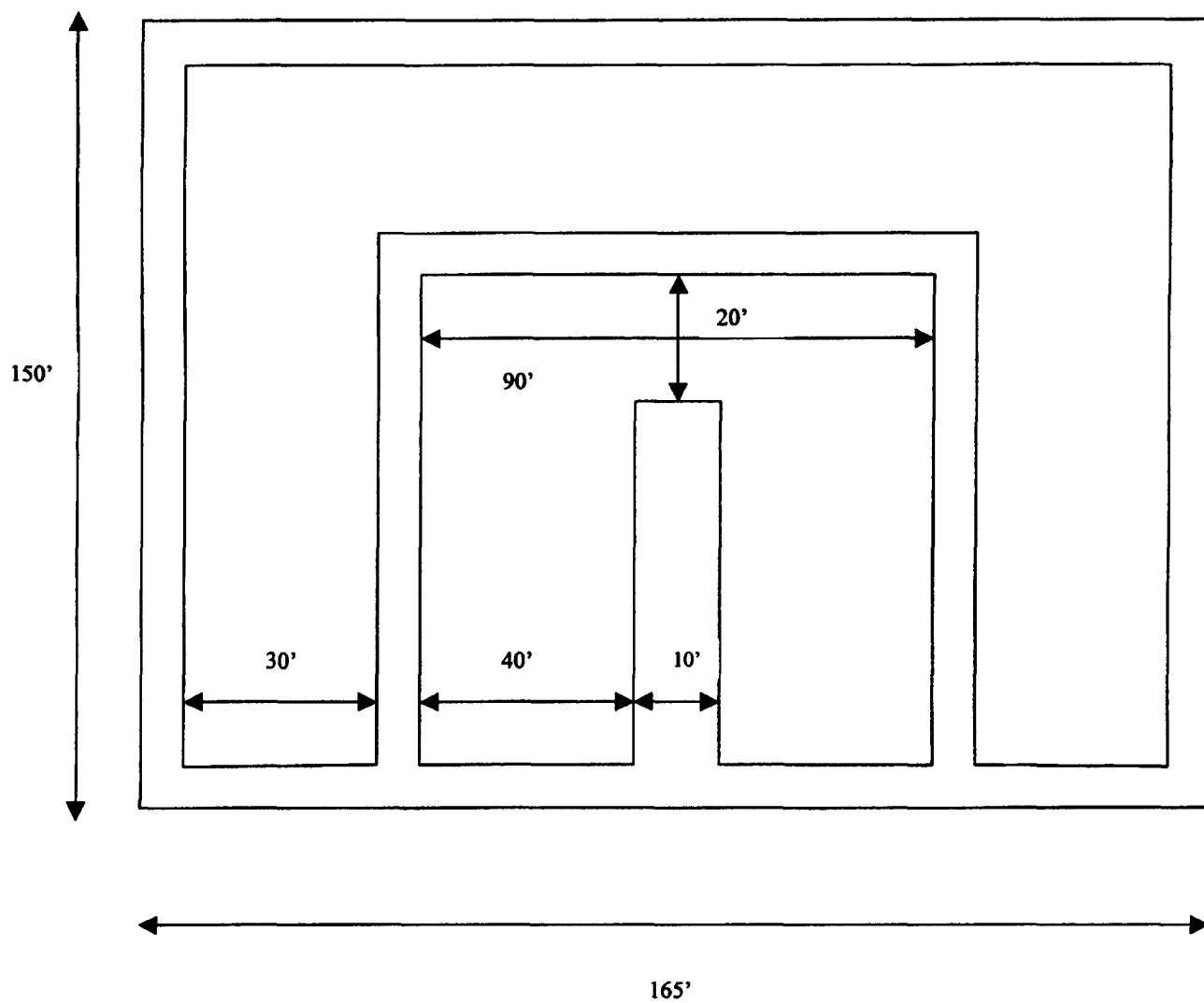
Lenny J. Paul 2/27/2007
Date of Survey

Signature and Seal of Professional Surveyor

Lenny J. Paul 2/27/2007
Certificate Number 15079

WO# 070222WL-a (JL)

New Mexico Double Horseshoe Reserve Pit Design



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

Permit Information:

Well Name: Ganges A 2 Fee #1H

Location:

SL 1730' FNL & 210' FEL, Section 2, T-16-S, R-25-E, Eddy Co., N.M.

BHL 934' FNL & 660' FWL, Section 2, T-16-S, R-25-E, Eddy Co., N.M.

**Casing Program:**

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	1,175'	12-1/4"	8-5/8"	32#	J-55	Surface
Production	9,343'	7-7/8"	5 1/2"	17#	N-80	Surface

Cement Program:

Depth	No. Sacks	Slurries:
1,175'	200	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	175	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
9,343'	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 - 1,175'	Fresh - Gel	8.6-8.8	28-34	N/c
1,175' - 4,700'	Cut Brine	8.8-9.2	28-34	N/c
4,700' - 5,300'	Cut Brine	8.8-9.2	28-34	10-15
4,250' - 9,343'	Polymer (Lateral)	9.0-9.4	40-45	10-20



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

February 28, 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 Ganges A 2 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,



Jason LaGrega
Drilling Engineer

Pathfinder Energy Planning Report

Company: EOG Resources Field: Ganges A 2 Fee #1H Site: Ganges A 2 Fee #1H Well: Ganges A 2 Fee #1H Wellpath: OH				Date: 3/2/2007 Co-ordinate(NE) Reference: Ganges A 2 Fee #1H, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,280.01Azi) Plan: Plan #1 3-2-07				Page: 1		
Field: Ganges A 2 Fee #1H										
Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level					Map Zone: New Mexico, Eastern Zone Coordinate System: Site Centre Geomagnetic Model: igrf2005					
Site: Ganges A 2 Fee #1H										
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3432.00 ft		Northing: 712791.90 ft Easting: 465081.70 ft		Latitude: 32 57 34.147 N Longitude: 104 26 49.835 W North Reference: Grid Grid Convergence: -0.06 deg						
Well: Ganges A 2 Fee #1H										
Slot Name:										
Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft		Northing: 712791.90 ft Easting: 465081.70 ft		Latitude: 32 57 34.147 N Longitude: 104 26 49.835 W						
Wellpath: OH										
Current Datum: SITE Magnetic Data: 3/2/2007 Field Strength: 49433 nT Vertical Section: Depth From (TVD) ft		Height 0.00 ft +N/-S ft		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.54 deg Mag Dip Angle: 60.82 deg +E/-W ft Direction deg						
4939.00		0.00		0.00		280.01				
Plan: Plan #1 3-2-07										
Date Composed: 3/2/2007 Version: 1 Tied-to: From Surface										
Principal: No										
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	
4250.00	0.00	0.00	4250.00	0.00	0.00	0.00	0.00	0.00	0.00	
5313.35	80.00	310.00	5000.00	404.52	-482.09	7.52	7.52	0.00	310.00	
5647.29	90.00	275.00	5030.00	528.94	-784.53	10.85	2.99	-10.48	283.93	
6701.29	90.00	273.87	5030.00	610.44	-1835.36	0.11	0.00	-0.11	270.00	
6767.95	92.00	273.87	5028.84	614.94	-1901.85	3.00	3.00	0.00	0.06	
9342.47	92.00	273.87	4939.00	788.70	-4468.93	0.00	0.00	0.00	0.00	
9342.54	92.00	273.87	4939.00	788.70	-4469.00	3.00	0.47	-2.97	-81.04	PBHL
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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00									

Pathfinder Energy

Planning Report

Company: EOG Resources
 Field: Ganges A 2 Fee #1H
 Site: Ganges A 2 Fee #1H
 Well: Ganges A 2 Fee #1H
 Wellpath: OH

Date: 3/2/2007 Time: 11:36:09 Page: 2
 Co-ordinate(N/E) Reference: Ganges A 2 Fee #1H, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,280.01Azi)
 Plan: Plan #1 3-2-07

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	
4250.00	0.00	0.00	4250.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 4250' MD/TVD
4300.00	3.76	310.00	4299.96	1.05	-1.26	1.42	7.52	7.52	0.00	
4400.00	11.29	310.00	4399.03	9.46	-11.28	12.75	7.52	7.52	0.00	
4500.00	18.81	310.00	4495.53	26.14	-31.15	35.22	7.52	7.52	0.00	
4600.00	26.33	310.00	4587.81	50.79	-60.53	68.44	7.52	7.52	0.00	
4700.00	33.86	310.00	4674.27	83.00	-98.92	111.84	7.52	7.52	0.00	
4800.00	41.38	310.00	4753.42	122.21	-145.64	164.66	7.52	7.52	0.00	
4900.00	48.90	310.00	4823.91	167.74	-199.90	226.01	7.52	7.52	0.00	
5000.00	56.43	310.00	4884.51	218.81	-260.76	294.82	7.52	7.52	0.00	
5100.00	63.95	310.00	4934.20	274.54	-327.18	369.92	7.52	7.52	0.00	
5200.00	71.47	310.00	4972.10	333.97	-398.01	450.00	7.52	7.52	0.00	
5300.00	79.00	310.00	4997.57	396.08	-472.03	533.69	7.52	7.52	0.00	
5313.35	80.00	310.00	5000.00	404.52	-482.09	545.06	7.52	7.52	0.00	
5400.00	82.38	300.80	5013.30	454.04	-551.82	622.33	10.85	2.75	-10.62	
5500.00	85.36	290.31	5024.00	496.84	-641.39	717.98	10.85	2.98	-10.49	
5600.00	88.49	279.90	5029.38	522.81	-737.66	817.29	10.85	3.13	-10.40	
5647.29	90.00	275.00	5030.00	528.94	-784.53	864.52	10.85	3.18	-10.37	EOC @ 5647' MD/ 5030' TVD
5700.00	90.00	274.94	5030.00	533.51	-837.04	917.02	0.11	0.00	-0.11	
5800.00	90.00	274.84	5030.00	542.03	-936.68	1016.63	0.11	0.00	-0.11	
5900.00	90.00	274.73	5030.00	550.37	-1036.33	1116.21	0.11	0.00	-0.11	
6000.00	90.00	274.62	5030.00	558.52	-1136.00	1215.78	0.11	0.00	-0.11	
6100.00	90.00	274.51	5030.00	566.49	-1235.68	1315.33	0.11	0.00	-0.11	
6200.00	90.00	274.41	5030.00	574.27	-1335.37	1414.86	0.11	0.00	-0.11	
6300.00	90.00	274.30	5030.00	581.86	-1435.09	1514.37	0.11	0.00	-0.11	

Pathfinder Energy

Planning Report

Company: EOG Resources	Date: 3/2/2007	Time: 11:36:09	Page: 3
Field: Ganges A 2 Fee #1H	Co-ordinate(N/E) Reference: Ganges A 2 Fee #1H, Grid North		
Site: Ganges A 2 Fee #1H	Vertical (TVD) Reference: SITE 0.0		
Well: Ganges A 2 Fee #1H	Section (VS) Reference: Well (0.00N,0.00E,280.01Azi)		
Wellpath: OH	Plan: Plan #13-2-07		

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
6400.00	90.00	274.19	5030.00	589.26	-1534.81	1613.87	0.11	0.00	-0.11	
6500.00	90.00	274.09	5030.00	596.48	-1634.55	1713.34	0.11	0.00	-0.11	
6600.00	90.00	273.98	5030.00	603.51	-1734.30	1812.80	0.11	0.00	-0.11	
6700.00	90.00	273.87	5030.00	610.36	-1834.07	1912.23	0.11	0.00	-0.11	
6701.29	90.00	273.87	5030.00	610.44	-1835.36	1913.52	0.11	0.00	-0.11	End Turn @ 6701' MD, 273.87° AZI
6767.95	92.00	273.87	5028.84	614.94	-1901.85	1979.78	3.00	3.00	0.00	End Build @ 6767' MD
6800.00	92.00	273.87	5027.72	617.11	-1933.81	2011.63	0.00	0.00	0.00	
6900.00	92.00	273.87	5024.23	623.86	-2033.52	2111.00	0.00	0.00	0.00	
7000.00	92.00	273.87	5020.74	630.60	-2133.23	2210.36	0.00	0.00	0.00	
7100.00	92.00	273.87	5017.25	637.35	-2232.94	2309.73	0.00	0.00	0.00	
7200.00	92.00	273.87	5013.76	644.10	-2332.65	2409.09	0.00	0.00	0.00	
7300.00	92.00	273.87	5010.27	650.85	-2432.36	2508.46	0.00	0.00	0.00	
7400.00	92.00	273.87	5006.78	657.60	-2532.07	2607.83	0.00	0.00	0.00	
7500.00	92.00	273.87	5003.29	664.35	-2631.78	2707.19	0.00	0.00	0.00	
7600.00	92.00	273.87	4999.80	671.10	-2731.50	2806.56	0.00	0.00	0.00	
7700.00	92.00	273.87	4996.31	677.85	-2831.21	2905.93	0.00	0.00	0.00	
7800.00	92.00	273.87	4992.82	684.60	-2930.92	3005.29	0.00	0.00	0.00	
7900.00	92.00	273.87	4989.34	691.34	-3030.63	3104.66	0.00	0.00	0.00	
8000.00	92.00	273.87	4985.85	698.09	-3130.34	3204.03	0.00	0.00	0.00	
8100.00	92.00	273.87	4982.36	704.84	-3230.05	3303.39	0.00	0.00	0.00	
8200.00	92.00	273.87	4978.87	711.59	-3329.76	3402.76	0.00	0.00	0.00	
8300.00	92.00	273.87	4975.38	718.34	-3429.47	3502.13	0.00	0.00	0.00	
8400.00	92.00	273.87	4971.89	725.09	-3529.18	3601.49	0.00	0.00	0.00	
8500.00	92.00	273.87	4968.40	731.84	-3628.89	3700.86	0.00	0.00	0.00	
8600.00	92.00	273.87	4964.91	738.59	-3728.60	3800.23	0.00	0.00	0.00	
8700.00	92.00	273.87	4961.42	745.34	-3828.32	3899.59	0.00	0.00	0.00	
8800.00	92.00	273.87	4957.93	752.08	-3928.03	3998.96	0.00	0.00	0.00	
8900.00	92.00	273.87	4954.44	758.83	-4027.74	4098.32	0.00	0.00	0.00	
9000.00	92.00	273.87	4950.95	765.58	-4127.45	4197.69	0.00	0.00	0.00	
9100.00	92.00	273.87	4947.46	772.33	-4227.16	4297.06	0.00	0.00	0.00	
9200.00	92.00	273.87	4943.97	779.08	-4326.87	4396.42	0.00	0.00	0.00	
9300.00	92.00	273.87	4940.48	785.83	-4426.58	4495.79	0.00	0.00	0.00	
9342.54	92.00	273.87	4939.00	788.70	-4469.00	4538.06	0.01	0.00	0.00	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
PBHL		4939.00	788.70	-4469.00	713580.60	460612.70	32	57	41.901 N	104	27	42.298 W

Annotation

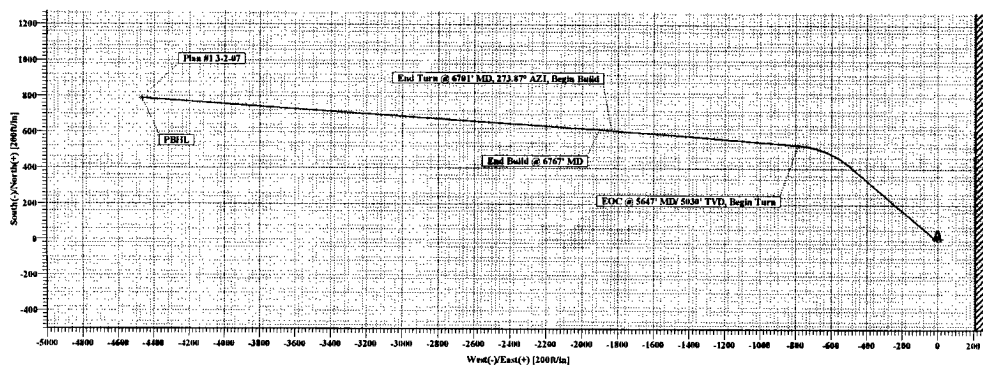
MD ft	TVD ft	
4250.00	4250.00	KOP @ 4250' MD/TVD
5647.29	5030.00	EOC @ 5647' MD/ 5030' TVD, Begin Turn
6701.29	5030.00	End Turn @ 6701' MD, 273.87° AZI, Begin Build
6767.95	5028.84	End Build @ 6767' MD



Field: Ganges A 2 Fee #1H
 Site: Ganges A 2 Fee #1H
 Well: Ganges A 2 Fee #1H
 Wellpath: OH
 Plan: Plan #1 3-2-07

PATHFINDER

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	4250.00	0.00	0.00	4250.00	0.00	0.00	0.00	0.00	0.00	
3	5313.35	80.00	310.00	5030.00	404.52	-482.09	7.52	310.00	545.06	
4	5647.29	90.00	275.00	5030.00	528.94	-784.53	10.85	283.93	864.52	
5	6701.29	90.00	273.87	5030.00	610.44	-1835.36	0.11	270.00	1913.52	
6	6767.95	92.00	273.87	5028.84	614.04	-1901.85	3.00	0.00	1979.78	
7	9342.47	92.00	273.87	4939.00	788.70	-4469.93	0.00	0.00	4537.99	
8	9342.54	92.00	273.87	4939.00	788.70	-4469.00	3.00	-81.04	4538.06	PBHL



SITE DETAILS

Ganges A 2 Fee #1H
 Site Centre Northing: 712791.90
 Easting: 465081.70
 Ground Level: 3432.00
 Positional Uncertainty: 0.00
 Convergence: -0.06

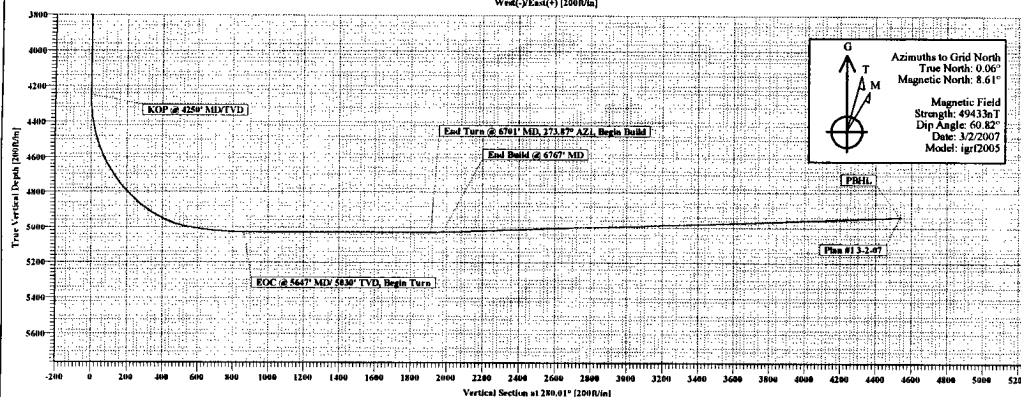
TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	4939.00	788.70	-4469.00	Point

WELLPATH DETAILS

OH
 Rig: SITE 0.00ft
 Ref. Datum: 0.00ft

V. Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
280.01°	0.00	0.00	4939.00



ANNOTATIONS

No.	TVD	MD	Annotation
1	4250.00	4250.00	KOP @ 4250° MD/TVD
2	5030.00	5647.29	EOC @ 5647 MD/ 5030° TVD, Begin Turn
3	5030.00	6701.29	End Turn @ 6701 MD, 273.87° AZI, Begin Build
4	5028.84	6767.95	End Build @ 6767 MD

Plan: Plan #1 3-2-07 Ganges A 2 Fee #1H (OH)
 Created By: David Chubb Date: 10/10/07