

Permit Comments

Operator: EOG RESOURCES INC , 7377**Well: JORDAN 22 FEE COM #001H**

User Name	Comment	Comment Date
MFRANCIS	C-144, Detailed casing,cement,mud program being mailed. this is a horizational lateral well. TVD 5200.	3/29/2005
BARRANT	Plese indicate the correct bottom hole and surface hole loactions	4/4/2005
BARRANT	Only fresh water mud or air is to be used to drill to the intermediate casing point.	4/4/2005
BARRANT	Please note condition of approval with incoming fax.	4/4/2005

Permit Information:

Well Name: Jordan 22 Fee Com #1

30-015-34048

Location:

SL 660' FSL & 760' FEL, Section 22, T-17-S, R-24-E, Eddy Co., N.M.

BHL 660' FNL & 760' FEL, Section 22, T-17-S, R-24-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	350'	14 3/4"	11 3/4"	42#	H-40	Surface
Intermediate	1,200'	11"	8 5/8"	32#	J-55	Surface
Production	8,500'	7 7/8"	5 1/2"	17#	P-110	700'

Cement Program:

Depth	No. Sacks	Slurries:
350'	100	Lead: Premium Plus + 2% CaCl ₂ + 3% Econolite + 1/4 pps Flocele
	150	Tail: Premium Plus + 2% CaCl ₂ + 1/4 pps Flocele
1,200'	175	Lead: Interfill "C" + 1/4 pps Flocele
	200	Tail: Premium Plus + 1% CaCl ₂
8,500'	350	Lead: Interfill "C" + 1/4 pps Flocele
	400	Tail: Premium Cement, 100% Acid Soluble Additive, 0.6% Halad®-344 + 0.8% Econolite + 0.2% HR-25

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 350'	Fresh - Gel	8.6-8.8	28-34	N/c
350' - 1,200'	Brine Fresh Water	10.0-10.2	28-34	N/c
1,200' - 4,400'	Cut Brine	8.8 - 9.2	28-34	N/c
4,400' - 5,100'	Cut Brine	8.8 - 9.2	28-34	10-15
4,400' - 8,500' (lateral)	Polymer	9.0 - 9.4	40-45	10-25

Page 1 of 1



EOG Resources, Inc.

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

March 29, 2005

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

30-015-340 #18

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an H₂S Contingency Plan for the Jordan 22 Fee Com #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

RECEIVED

MAR 31 2005

ODD-ADTEC

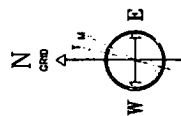
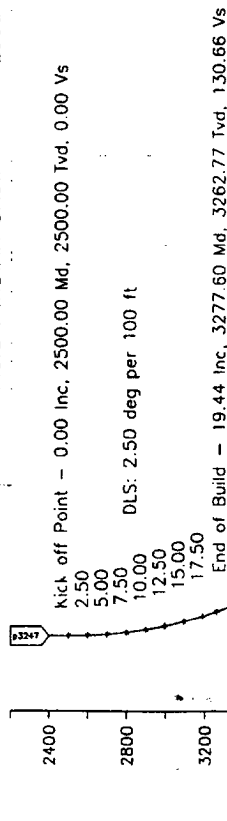
Marathon Oil Company

Structure : Indian Hills Unit 47

Slot : slot #1

Field : INDIAN BASIN

Location : Eddy County New Mexico



17-Apr-2002 (Source: BGCM)
Magnetic North is 9.09 degrees East of True North
GRID North is 0.10 degrees East of True North
To convert grid coordinates to true coordinates
To correct azimuth from Magnetic to GRID add 9.19 deg

STRUCTURE SET-UP REFERENCE

LAT : 32.26 32.04 N
LONG : 104.31 3.00 W
X = -43183.4 Y = 5271.1

PROJECTION: MERCATOR

Mercator Zone: New Mexico East

Spheroid Used: Clarke 1866

Data Source: BGCM

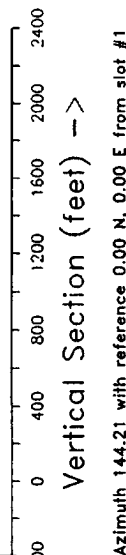
Dip Angle: 69.45 deg

Field Strength: 19533.31 nT

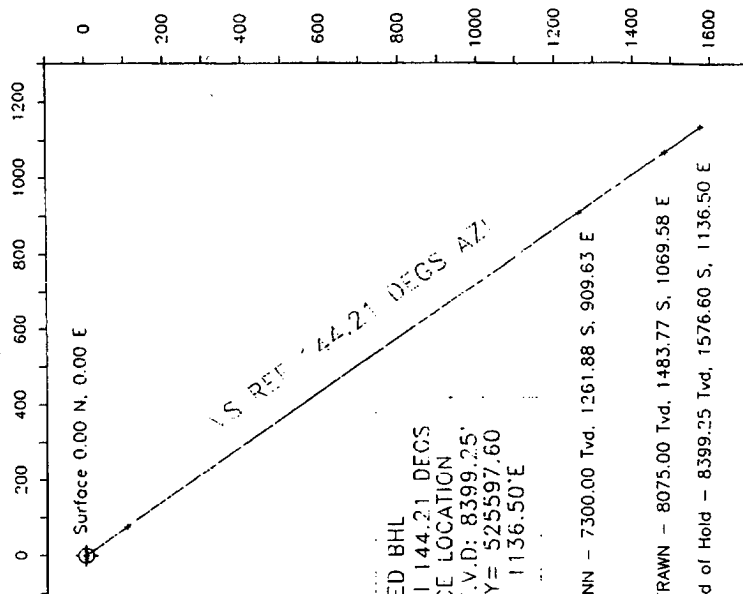
TOP OF UPPER PENN - 19.44 Inc, 7558.91 Md, 7300.00 Tvd, 1555.56 Vs

TOP OF STRAWN - 19.44 Inc, 8380.76 Md, 8075.00 Tvd, 1829.09 Vs

I.D. & End of Hold - 19.44 Inc, 8724.61 Md, 8399.25 Tvd, 1943.53 Vs



East (feet) ->



PROPOSED BHL
1943.53' ON AZI 144.21 DEGS
FROM SURFACE LOCATION
M.D: 8724.61' T.V.D: 8399.25'
X = 444299.90 Y = 525597.60
1576.60' S, 1136.50' E

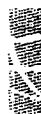
TOP OF UPPER PENN - 7300.00 Tvd, 1261.88 S, 909.63 E

TOP OF STRAWN - 8075.00 Tvd, 1483.77 S, 1069.58 E

I.D. & End of Hold - 8399.25 Tvd, 1576.60 S, 1136.50 E

WELL PROFILE DATA

Point	MD	INC	Dir	TVD	North	East	V. Sect	Dep/100
Trk on	0.00	0.00	144.21	0.00	0.00	0.00	0.00	0.00
KOP	2500.00	0.00	144.21	2500.00	0.00	0.00	0.00	0.00
End of Build	3277.60	19.44	144.21	3262.77	-105.98	76.40	130.66	2.50
Target	7558.91	19.44	144.21	7300.00	-1261.88	909.63	1555.56	0.00
End of Hold	8380.76	19.44	144.21	8075.00	-1463.77	1069.58	1829.09	0.00
T.D. & End of Hold	8724.61	19.44	144.21	8399.25	-1576.60	1136.50	1943.53	0.00



BAKER
HUGHES

INTEQ

APPROVAL

Operations:

Client:

Date:

Created By Kellym
Date plotted: 18-Apr-2002

Plot Reference is PO 201 DH/RH.

Coordinates are in feet reference slot #1.

True Vertical Depths are reference rotary table.

ihu47pp

--- Baker Hughes INTEQ ---

Marathon Oil Company
Indian Hills Unit 47, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : P0 2DJ DH/RH
Last revised : 18-Apr-2002

Measured Incln Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect	G R I D Eastng	C O O R D S Northing
0.00	0.00	144.21	0.00	0.00N	0.00	0.00	443163.40	527174.20
500.00	0.00	144.21	500.00	0.00N	0.00	0.00	443163.40	527174.20
1000.00	0.00	144.21	1000.00	0.00N	0.00	0.00	443163.40	527174.20
1500.00	0.00	144.21	1500.00	0.00N	0.00	0.00	443163.40	527174.20
2000.00	0.00	144.21	2000.00	0.00N	0.00	0.00	443163.40	527174.20
2500.00	0.00	144.21	2500.00	0.00N	0.00	0.00	443163.40	527174.20
2600.00	2.50	144.21	2599.97	1.77S	2.50	2.18	443164.68	527172.43
2700.00	5.00	144.21	2699.75	7.07S	2.50	8.72	443168.50	527167.13
2800.00	7.50	144.21	2799.14	15.91S	2.50	19.61	443174.87	527158.29
2900.00	10.00	144.21	2897.97	28.24S	2.50	34.82	443183.76	527145.96
3000.00	12.50	144.21	2996.04	44.07S	2.50	54.33	443195.17	527130.13
3100.00	15.00	144.21	3093.17	63.35S	2.50	78.09	443209.07	527110.85
3200.00	17.50	144.21	3189.17	86.05S	2.50	106.07	443225.43	527088.15
3277.60	19.44	144.21	3262.77	105.99S	2.50	130.66	443239.80	527068.21
3500.00	19.44	144.21	3472.49	166.03S	0.00	204.68	443283.09	527008.17
4000.00	19.44	144.21	3943.98	301.03S	0.00	371.08	443380.40	526873.17
4500.00	19.44	144.21	4415.48	436.02S	0.00	537.49	443477.71	526738.18
5000.00	19.44	144.21	4886.97	571.01S	0.00	703.90	443575.01	526603.19
5500.00	19.44	144.21	5358.47	706.00S	0.00	870.31	443672.32	526468.20
6000.00	19.44	144.21	5829.96	841.00S	0.00	1036.72	443769.63	526333.20
6500.00	19.44	144.21	6301.46	975.99S	0.00	1203.13	443866.94	526198.21
7000.00	19.44	144.21	6772.95	1110.98S	0.00	1369.54	443964.25	526063.22
7500.00	19.44	144.21	7244.45	1245.98S	0.00	1535.95	444061.56	525928.22
7558.91	19.44	144.21	7300.00	1261.88S	0.00	1555.56	444073.03	525912.32
8000.00	19.44	144.21	7715.94	1380.97S	0.00	1702.36	444158.87	525793.23

UPPER PENN
1055' FSL * 1095

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 1943.53 on azimuth 144.21 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 144.21 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

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