

Mid-Continent Region
Productive United States



**Marathon
Oil Company**

P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

April 10, 2000

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division District II
811 South First Street
Artesia, New Mexico 88210
Attention: Mr. Tim Gum

Re: Indian Hills Unit # 22

Dear Mr. Gum,

Marathon Oil Company has applied for a Federal Permit to Drill for its Indian Hills Unit #22 with a proposed SHL of 1691' FNL & 10' FWL, BHL 1200' FNL & 660' FWL, Section 33, T-21-S, R-24-E, Eddy County, New Mexico. The proposed well is an Indian Basin Upper Pennsylvanian-Associated test that will consist of a 320 acre, west half, proration unit. The proposed well shall have a producing interval entirely within the producing area of the west-half of Section 33. The surface hole location was selected out of consideration to the BLM's visual resource management and cut and fill requirements of the East Indian Basin Environmental Assessment. The proposed SHL will cause less surface damage and visual impairment to the aesthetic concerns of the nearby Scenic By-Way, NM 137.

Marathon Oil Company respectfully requests District approval under New Mexico Oil Conservation Division rule 111.C to drill the aforementioned well to a standard bottom hole location. Please note the attached C-102, topographic map and directional drilling program describing our intent.

Should you have any questions regarding this proposal, please contact me at (800) 351-1417.

Yours truly,

Jerry Fletcher



**Marathon
Oil Company**

P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

PANAFAX TRANSMITTAL SHEET

SEND THE FOLLOWING PAGES TO:

NAME Bryan Arrant

COMPANY NAME OCD Artesia

LOCATION ARTESIA

PANAFAX NUMBER: _____

FROM:

NAME Marathon Oil Co. Jerry Fletcher EXT. _____

TOTAL NUMBER OF PAGES: 5 (including cover sheet)

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL BACK ASAP

PHONE 915-687-8357

COMMENTS _____

Station ID	MTD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N-S (ft)	E-W (ft)	Closure (ft)	at Azim (°)	DLS ("/100ft)	TF (°)
EOC #1 (2D-S)	5811.08	30.55	56.8	5782.53	159.11	3876.15	143.12	159.11	2.23	5.00	0.0
KOP #2	6518.33	30.55	56.8	6391.57	518.64	3873.08	443.92	518.64	6.54	0.00	180.0
	6800.00	28.10	56.8	6462.77	558.64	3894.99	477.39	558.64	6.99	3.00	180.0
	6700.00	25.10	56.8	6552.17	603.42	3919.52	514.85	603.42	7.48	3.00	180.0
	6800.00	22.10	56.8	6643.79	643.46	3941.45	548.35	643.46	7.92	3.00	180.0
	6900.00	19.10	56.8	6737.39	678.64	3960.72	577.79	678.64	8.30	3.00	180.0
	7000.00	16.10	56.8	6832.69	708.88	3977.28	603.09	708.88	8.62	3.00	180.0
	7100.00	13.10	56.8	6929.45	734.10	3991.09	624.18	734.10	8.89	3.00	180.0
	7200.00	10.10	56.8	7027.40	754.21	4002.11	641.01	754.21	9.10	3.00	180.0
	7300.00	7.10	56.8	7126.26	769.17	4010.30	653.52	769.17	9.26	3.00	180.0
Target	7374.15	4.88	56.8	7200.00	776.91	4014.54	660.00	776.91	9.34	3.00	56.8MTF
	7400.00	4.88	56.8	7225.76	779.11	4015.74	661.84	779.11	9.36	0.00	56.8MTF
	7500.00	4.88	56.8	7325.39	787.61	4020.40	668.96	787.61	9.45	0.00	56.8MTF
	7600.00	4.88	56.8	7425.03	796.12	4025.06	676.07	796.12	9.53	0.00	56.8MTF
	7700.00	4.88	56.8	7524.67	804.62	4029.72	683.19	804.62	9.62	0.00	56.8MTF
	7800.00	4.88	56.8	7624.31	813.13	4034.38	690.31	813.13	9.71	0.00	56.8MTF
	7900.00	4.88	56.8	7723.94	821.64	4039.04	697.42	821.64	9.80	0.00	56.8MTF
	8000.00	4.88	56.8	7823.58	830.14	4043.70	704.54	830.14	9.88	0.00	56.8MTF
	8100.00	4.88	56.8	7923.22	838.65	4048.36	711.66	838.65	9.97	0.00	56.8MTF
	8200.00	4.88	56.8	8022.86	847.16	4053.02	718.77	847.16	10.06	0.00	56.8MTF
	8300.00	4.88	56.8	8122.49	855.66	4057.68	725.89	855.66	10.14	0.00	56.8MTF
	8400.00	4.88	56.8	8222.13	864.17	4062.34	733.01	864.17	10.23	0.00	56.8MTF
	8500.00	4.88	56.8	8321.77	872.67	4067.00	740.12	872.67	10.31	0.00	56.8MTF
	8600.00	4.88	56.8	8421.41	881.18	4071.65	747.24	881.18	10.40	0.00	56.8MTF
	8700.00	4.88	56.8	8521.04	889.69	4076.31	754.36	889.69	10.48	0.00	56.8MTF
PBHL/TD	8779.24	4.88	56.8	8600.00	896.43	4080.00	760.00	896.43	10.55	0.00	0.0MTF

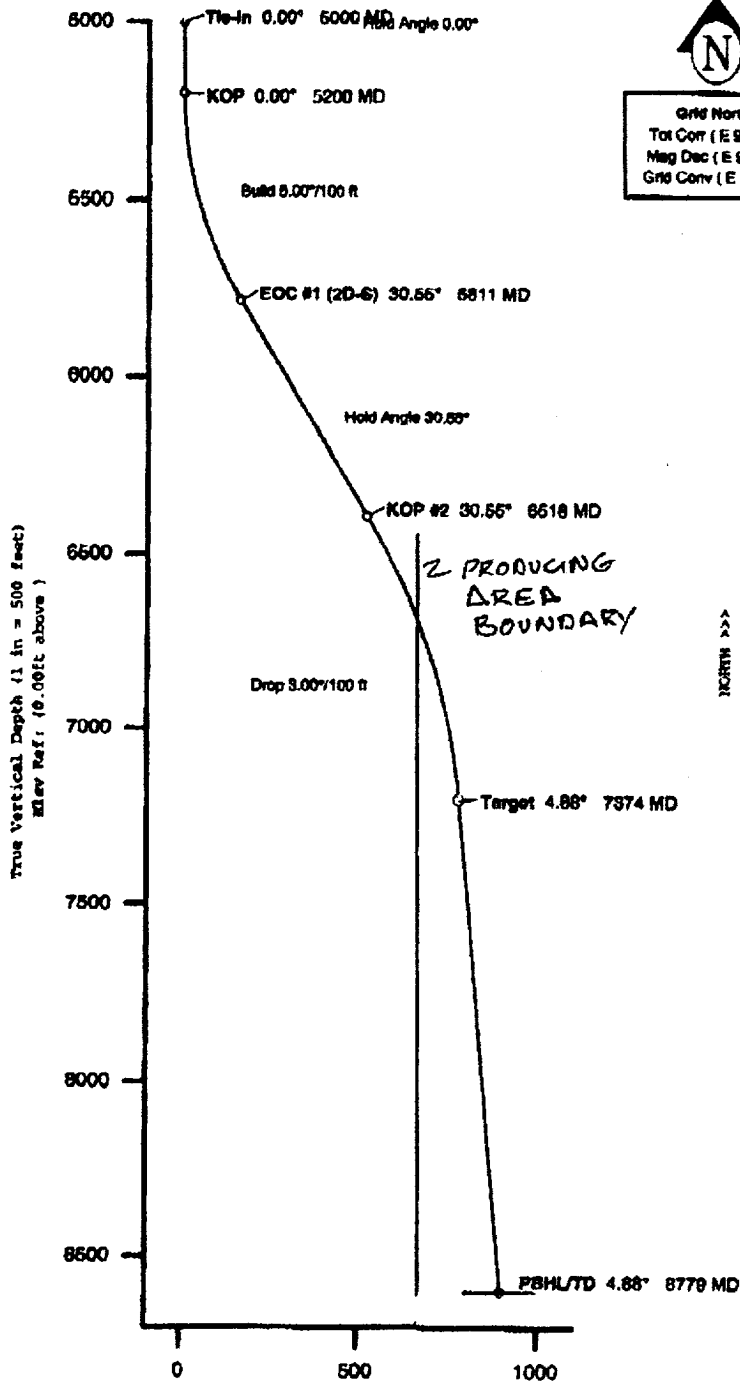
Schlumberger



Marathon Oil Company

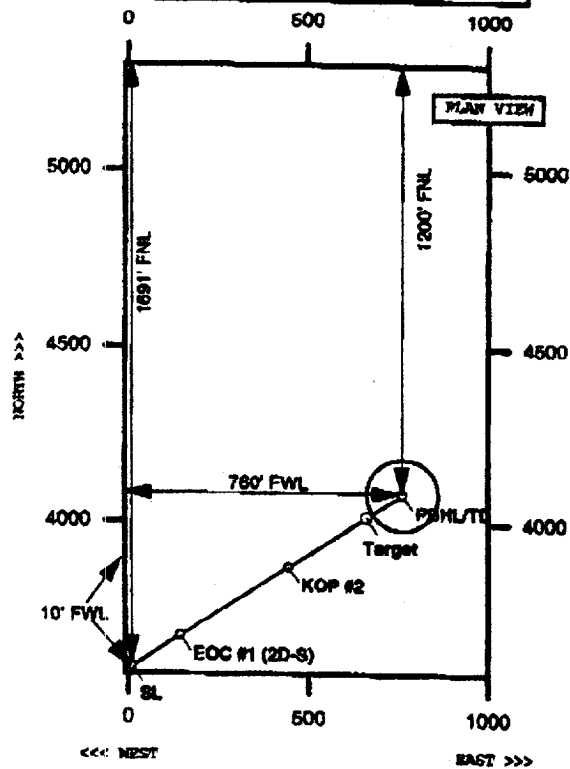
WELL IHB #22	FIELD Eddy County, NM	STRUCTURE IHB #22
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Vertical Section View



Grid North
 Tot Cor (E 9.12°)
 Mag Dec (E 9.17°)
 Grid Conv (E 0.05°)

Section 33 T21S R24E



Quality Control
 Date Drawn: 07-Apr-2000
 Drawn by: Ernie Fontenot
 Checked by: _____
 Client OK: _____

ical Section Departure at 56.80 deg from (3589.0, 10.0). (1 in = 500 feet)

TRICT II
New Mexico, Santa Fe, NM 87504-2088

TRICT III
New Mexico, Santa Fe, NM 87504-2088

TRICT IV
New Mexico, Santa Fe, NM 87504-2088

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 33865	Pool Name Indian Basin Upper Penn Associated
Property Code 6409	Property Name INDIAN HILLS UNIT	Well Number 22
DCRD No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 4166

Surface Location

L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	33	21 S	24 E		1691	NORTH	10	WEST	EDDY

Bottom Hole Location If Different From Surface

L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	21 S	24 E		1200	North	660	West	Eddy

Dedicated Acres 320 - W/2	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

PRODUCING AREA 10' SHL PENETRATION POINT SHL 320 AC. Production Unit	2-PROJECT AREA SHL #9 SHL #12 SHL #11	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>R. J. Longwire</i> Signature R. J. Longwire Printed Name Drilling Superintendent Title 4/3/00 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. MARCH 20, 2000 Date Surveyed Signature of Surveyor Professional Surveyor NEW MEXICO Ronald E. Nelson 3/24/2000 00-11-0552 State No. RONALD E. NELSON 8220 CARTER NELSON 12241 Certified Professional Surveyor McDonald 12186
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