

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Conservation Division
811 S. 1st Street
Artesia, NM 88210-2834
FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000
C/SI

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Company ✓

3a. Address
P.O. Box 552 Midland, TX 79702

3b. Phone No. (include area code)
915-687-8357

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL @ U.L. "M" Sec. 21, T-21-S, R-24-E 429' FSL & 326' FWL
BHL @ U.L. "K" Sec. 21, T-21-S, R-24-E 1920' FSL & 1984' FWL
Eddy Co. N.M.

Lease Serial No.
NM07260

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No
Indian Hills Unit

8. Well Name and No.
Indian Hills Unit # 33

9. API Well No.
20-012-2005

10. Field and Pool, or Exploratory Area
Indian Basin Morrow

11. County or Parish, State
Eddy N.M.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Marathon Oil Company is proposing to change producing target to Indian Basin Morrow.

New casing and cement proposal is attached.

Baker Inteq Directional survey to the Morrow is attached.



14. I hereby certify that the foregoing is true and correct
 Name (Printed/Typed) **Jerry Fletcher** Title **Engineer Tech.**

Jerry Fletcher Date **4/24/01**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **(ORIG. SGD.) GARY GOURLEY** Title **PETROLEUM ENGINEER** Date **MAY 09 2001**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88341-1980

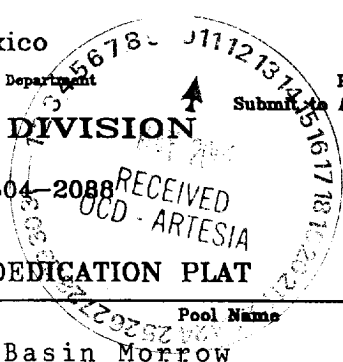
DISTRICT II
P.O. Drawer DD, Artesia, NM 86211-0719

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code	Pool Name Indian Basin Morrow
Property Code	Property Name INDIAN HILLS UNIT	Well Number 33
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 3667'

Surface Location

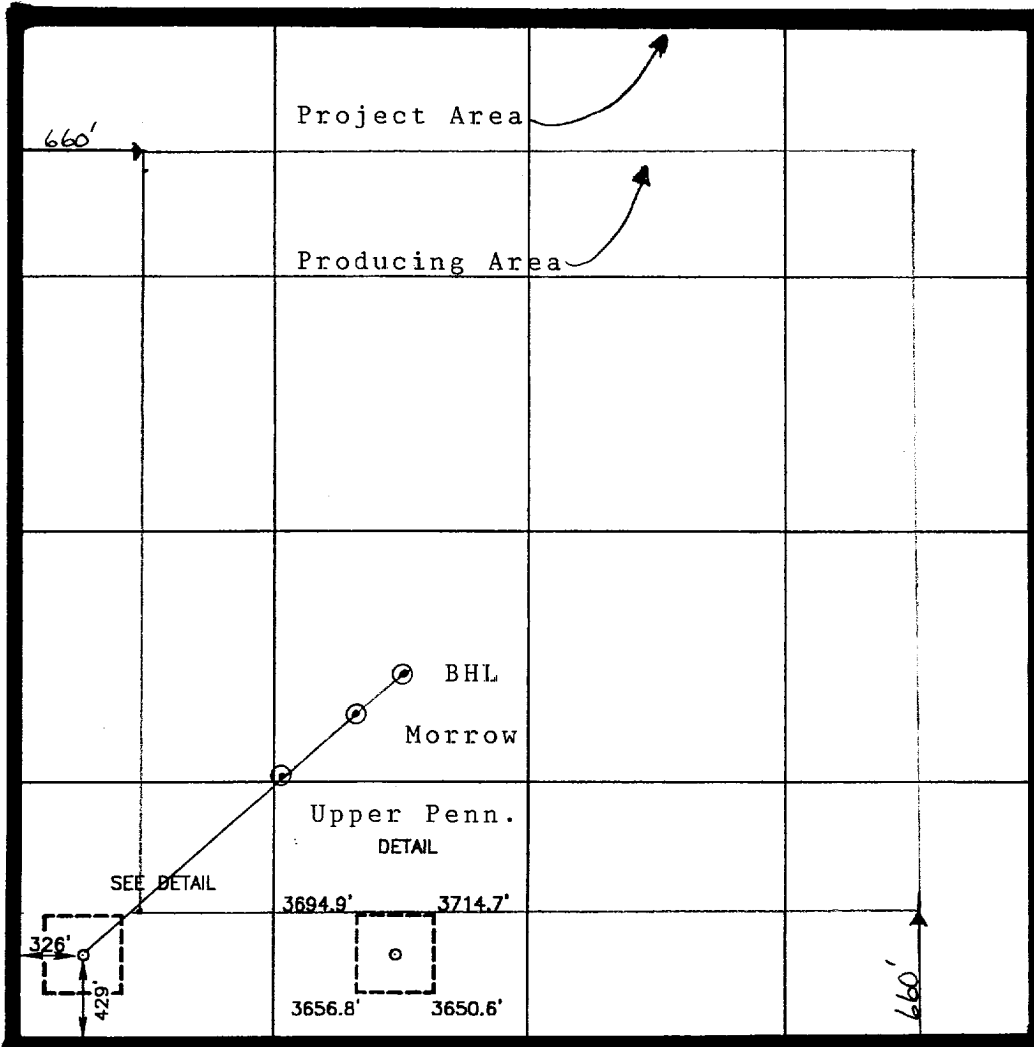
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	21-S	24-E		429	SOUTH	326	WEST	EDDY

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
K	21	21-S	24-E		1920	SOUTH	1984	WEST	EDDY

Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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.

Jerry Fletcher
Signature

Jerry Fletcher
Printed Name

Engineer Tech.
Title

4/20/01
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.

JANUARY 30, 2001
Date Surveyed

AWB
Signature & Seal of Professional Surveyor

Ronald J. Kidson 02/08/01
01-11-0057

Certificate No. RONALD J. KIDSON 3239
GARY KIDSON 12841

-U- VL

APR 26 2001

BLM

OSWELL, NM

**A. P. D. (cont.)
Thirteen Point Surface Use Plan
Indian Hills Unit # 33**

Test Frequency

1. When installed.
2. Anytime a pressure seal is broken (test confined only to affected equipment).
3. At least every 20 days.
4. Blind and pipe rams shall be activated each trip but not more than once/day.

4. Casing and Cement Program:

<u>---DEPTH---</u>		<u>SECTION</u>	<u>HOLE</u>	<u>CSG</u>	<u>WT.</u>	<u>THREADS</u>	<u>NEW</u>
<u>FROM</u>	<u>TO</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>SIZE</u>	<u>PPF</u>	<u>GRADE</u>	<u>USED</u>
0	1200'	1200	12.25"	9-5/8"	36.00#	K-55 8rd, STC	New
0	4800'	4800'	8.750"	7.00"	23.00#	K-55 8rd, LT&C	New
4800'	9600'	4800'	8.750"	7.00"	26.00	K-55 8rd, LT&C	New

<u>Casing</u>	<u>DV</u>		<u>Lead</u>	<u>Amt</u>	<u>Type</u>	<u>Yield</u>	<u>Wt.</u>		<u>Additives</u>
<u>String</u>	<u>Depth</u>	<u>Stg.</u>	<u>Tail</u>	<u>SXS</u>	<u>Cement</u>	<u>CF/SX</u>	<u>PPG.</u>	<u>TOC</u>	
9.625"	none	1	L	350	"C"	2.02	12.4	surf.	5# /Sk.Gilsonite,2% Cacl1/4# cello
9.625"	none		T	150	"C Neat	1.34	14.8	800'	2% Cacl, 1/4# cello
7.0"	6300'	1	L	340	Prem.	1.44	13.0	5600'	Foamers, N2
7.0"		2	L	840	Interfill "C"	2.47	11.9		1/4pps Cello,3pps Gilsonite,0.2% Halad 322
7.0		2	T	100	"C" Neat	1.32	14.8	6000'	N/A

Marathon Oil Company

Indian Hills Unit #33

slot #1
Indian Basin
EDDY COUNTY, NM.

PROPOSAL LISTING

by
Baker Hughes INTEQ

Your ref : 2-16-01
Our ref : prop2714
License :

Date printed : 16-Apr-2001
Date created : 16-Feb-2001
Last revised : 16-Apr-2001

Field is centred on n32 30 0.000,w104 30 0
Structure is centred on n32 30 0.000,w104 30 0

Slot location is n32 30 0.000,w104 30 0.000
Slot Grid coordinates are N 545652.918, E 448616.515
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North



Marathon Oil Company

Structure : Indian Hills Unit #33

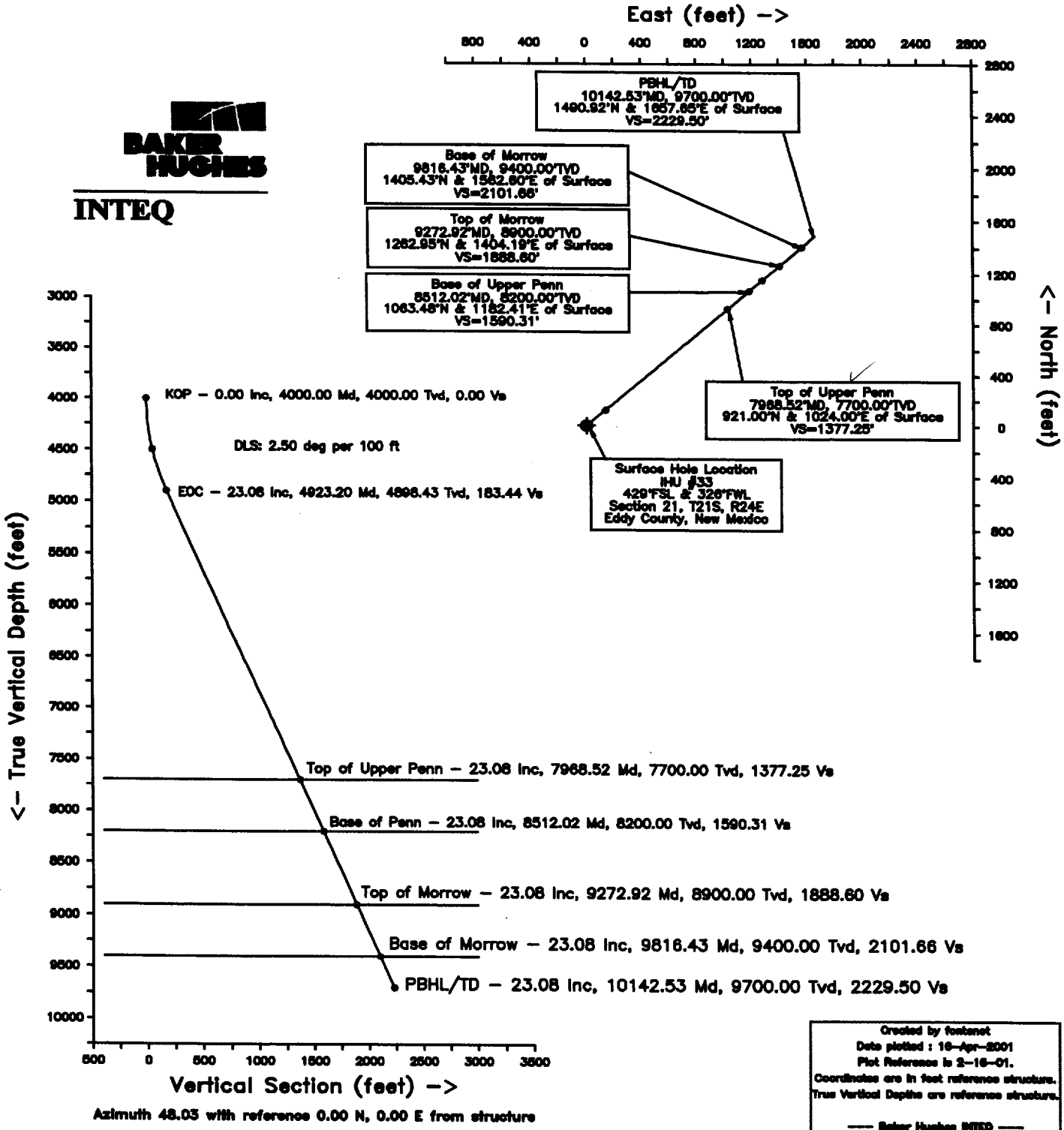
Slot : slot #1

Field : Indian Basin

Location : EDDY COUNTY, NM.



INTEQ



Created by foobar
Date plotted : 16-Apr-2001
Plot Reference is 2-16-01.
Coordinates are in feet reference structure.
True Vertical Depths are reference structure.
--- Baker Hughes INTEQ ---

Azimuth 48.03 with reference 0.00 N, 0.00 E from structure



INTEQ

2105 Market Street
 Midland, Texas 79703
 Tel. (915) 694-9517
 Fax (915) 694-5648

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect	
4000.00	0.00	48.03	4000.00	0.00 N	0.00 E	0.00	0.00	KOP
4100.00	2.50	48.03	4099.97	1.46 N	1.62 E	2.50	2.18	
4200.00	5.00	48.03	4199.75	5.83 N	6.48 E	2.50	8.72	
4300.00	7.50	48.03	4299.14	13.11 N	14.58 E	2.50	19.61	
4400.00	10.00	48.03	4397.97	23.28 N	25.89 E	2.50	34.82	
4500.00	12.50	48.03	4496.04	36.33 N	40.39 E	2.50	54.33	
4600.00	15.00	48.03	4593.17	52.22 N	58.06 E	2.50	78.09	
4700.00	17.50	48.03	4689.17	70.93 N	78.87 E	2.50	106.07	
4800.00	20.00	48.03	4783.85	92.43 N	102.76 E	2.50	138.21	
4900.00	22.50	48.03	4877.05	116.66 N	129.71 E	2.50	174.46	
4923.20	23.08	48.03	4898.43	122.67 N	136.39 E	2.50	183.44	EOC
5000.00	23.08	48.03	4969.09	142.81 N	158.78 E	0.00	213.55	
5500.00	23.08	48.03	5429.07	273.88 N	304.51 E	0.00	409.56	
6000.00	23.08	48.03	5889.05	404.95 N	450.24 E	0.00	605.56	
6500.00	23.08	48.03	6349.03	536.03 N	595.98 E	0.00	801.57	
7000.00	23.08	48.03	6809.01	667.10 N	741.71 E	0.00	997.58	
7500.00	23.08	48.03	7268.98	798.18 N	887.44 E	0.00	1193.58	
7968.52	23.08	48.03	7700.00	921.00 N	1024.00 E	0.00	1377.25	Top of Upper Penn
8000.00	23.08	48.03	7728.96	929.25 N	1033.18 E	0.00	1389.59	
8500.00	23.08	48.03	8188.94	1060.33 N	1178.91 E	0.00	1585.60	
8512.02	23.08	48.03	8200.00	1063.48 N	1182.41 E	0.00	1590.31	Base of Penn
8838.12	23.08	48.03	8500.00	1148.97 N	1277.46 E	0.00	1718.15	
9000.00	23.08	48.03	8648.92	1191.40 N	1324.64 E	0.00	1781.61	
9272.92	23.08	48.03	8900.00	1262.95 N	1404.19 E	0.00	1888.60	Top of Morrow
9500.00	23.08	48.03	9108.90	1322.48 N	1470.38 E	0.00	1977.62	
9816.43	23.08	48.03	9400.00	1405.43 N	1562.60 E	0.00	2101.66	Base of Morrow
10000.00	23.08	48.03	9568.88	1453.56 N	1616.11 E	0.00	2173.62	
10142.53	23.08	48.03	9700.00	1490.92 N	1657.65 E	0.00	2229.50	PBHL/TD

UL VL

APR 26 2001

BLM

OSWELL, NJ