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, Minerals & Natural Resources

Month - Year FEB 2 6 2007 Oil Conservation Divsiion OCD - ARTESIA, NIM Form C-101 May 27, 2004

Submit to appropriate District Office

X AMENDED REPORT

1220 S. St. Francis Dr.

Santa Fe, NM 87505

APPLIC	CATION	<b>FOR</b>	PERMIT T	O DR	ILL, RE-EN	ITĖ	R, DEEPEN,	PLUGBAC	K, OR ADI	A ZONE
		1(	Operator Name a	nd Address					<sup>2</sup> OGRID Numbe 14021	er
Marathon Oi									<sup>3</sup> API Number	*****
P.O. Box 34		n, TX	77253-3487		<i>r</i> –			30- 15-274	86	
	rty Code 108			In	<sup>5</sup> Property i dian Hills S					ell No. 8
		9 Propos	ed Pool 1			<sup>10</sup> Proposed Pool 2				
	Cemeta	ry Mo	row (74640	)						
					<sup>7</sup> Surface I	ocat	ion			
UL or lot no.	Section	Townsh		Lot. Id			North/South Line	Feet from the	East/West line	County
M	36	209		<u></u>	976		South	660	West	Eddy
			rioposeu.				Different Fro	<del></del>	1	
UL or lot no.	Section 36	Townsh	.   .	Lot. Id	n Feet from t		North/South Line	Feet from the 695 *	East/West line	County
<u> </u>	30	209	S 24E	<u> </u>	dditional W		South	1 095	West	Eddy
11 Work Ty	no Codo	<del></del>	12 Well Type Co		13 Cable/R			ase Type Code	l 15 Graund 1	Level Elevation
l .	pe Code D		G	uc	Rota		Lea	S		631'
<sup>16</sup> Mult	<sup>16</sup> Multiple <sup>17</sup> Proposed Depth <sup>18</sup> For				<sup>18</sup> Forma	tion	19	Contractor		oud Date
					Morr		uall .	Distance from near	_1	11/2006
Depth to ground water Distance from nearest from					ioni nearest nesn	water v	ven	Distance from near	est surface water	•
Pit: Liner: Syr	Pit: Liner: Synthetic mils thick Clay Pit Volume bbls Drilling Method:									
Closed-La	oop System	]			I	Fresh W	/ater Brin	e Diesel/O	Oil-based	Gas/Air
			21	Dranag	nd Cooing on	d Co	ment Progran			
·				1		ı			.   -	4 1700
Hole S			Casing Size	Casir	ng weight/foot	Setting Depth		Sacks of Ceme	ent E	stimated TOC
12 1/			9 5/8"	-	36#	1206'`		1605		Surface
8 3/4				2	3 * 26#	8020*		1250		1000'
6 1/8	8''		4 1/2"		10.5#		10135'	150	7500'	
						<u> </u>				
Describe the property Describe the blow						K, giv	e the data on the pr	esent productive zo	one and proposed	new productive zone.
	•		•		· ·	au Hr	oper Penn in	tho Indian Wi	ille St Com	Mo Q w/
apx 150 sks	s cmt, and	reco	mplete to t	he Morr	ow formation	betv	veen apx. 92	15' & 9575'.	Marathon wi	ll also
take a core	e sample s cathon wil	tarti:	ngat 957 Navaluata	6' and (	extending 36 Is notential	/w'0' Tf	the planned it is decide	TD@a MD of	f 10136', T	VD @ _producing
economic vo	olumes, a	4 1/2	'liner wil	l be ru	n to TD on t	he we	ell & cemente	d f/ TD to 7	7500'. Top o	f cement
will be ins	side the c	rigin	al producti	on casi	ng. The well	will	l be inside t	he 660' offse	et at all in	tervals.
<sup>23</sup> I hereby certify	that the inform	nation gi	ven above is true	and compl	ete to the best of		OIL C	ONSERVAT	ION DIVIS	ION
my knowledge an constructed acco	d belief. <b>I furt</b> l	her certi	fy that <u>the</u> drilli	ng pit will	be ermit on , or	<u> </u>				
an (attached) alt	ernatiye OCE	)-approv	ed plan [7] .	Poneren be	A ALLES VI	Appr	oved by:	BRYAN G.	A D D A NUT	
1	arluE	,						DISTRICT		Ter
Printed name: C						Title:			-	
			iance Repre		ve	Appr	oval Date: FEB 2	8 2007   E	Expiration Date:	B 2 8 2008
E-mail Address:	cekendri	x@mara		<u> </u>		C- '				
Date:	21/2007		Phone:	.3-296-2	2006		litions of Approval:			
U2/	71/700/		1 /.	.5 230-2	.030	Attac	ned 🔲			

Month - Year
FEB 2 6 2007
OCD - ARTESIA, NIM

## Indian Hills State Com No. 8 Morrow Deepening & Core of Chester formation

It is Marathon's intention to use a enclosed steel tank system for deepening on this well. We will building any pits or opening old pits on this well in order to deepen to the Morrow formation. Cutting from the well deepening will be transported to an approved disposal site after the drilling is completed.

A copy of Marathon's H2S contingency plans are also attached with this document.

The top and bottom of the Morrow formation and Marathon's targeted completion interval fall inside the 660' offset for gas wells in the Cemetary Morrow pool.

# Month - Year FEB 2 6 2007 OCD - ARTESIA, NIM

## **MARATHON OIL COMPANY**

## **H2S DRILLING OPERATIONS PLAN**

HYDROGEN SULFIDE TRAINING

All contractors and subcontractors employed by Marathon Oil Company will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and characteristics of hydrogen sulfide (H2S)
- 2. Safety precautions
- 3. Operations of safety equipment and life support systems

In addition, contractor supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on metal components in the system. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- Corrective action and shut-down procedures when drilling or reworking a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

- II. H2S EQUIPMENT AND SYSTEMS
- 1. Safety Equipment

The following safety equipment will be on location.

- A. Wind direction indicators.
- B. Automatic H2S detection alarm equipment (both audio and visual).

- C. Clearly visible warning signs. Signs will use the words "POISON GAS' and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the dog house and at briefing areas.

## 2. WELL CONTROL SYSTEMS

- A. Blowout Prevention Equipment

  Equipment includes but is not limited to:
  - a. pipe rams to accommodate all pipe sizes
  - b. blind rams
  - c. choke manifold
  - d. closing unit

Auxiliary equipment added as appropriate includes:

- a. annular preventor
- b. rotating head
- c. mud- gas separator
- d. flare line and means of ignition \_\_\_\_\_
- e. remote operated choke

### **B.** Communication

The rig contractor will be required to have two-way communication capability. Marathon Oil Company will have either land-line or mobile telephone capabilities.

## C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing zones.

## Exhibit "I"

## Marathon Oil Company

## SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCC PLAN)

Marathon Oil Company has pollution prevention, good housekeeping, safety and fire prevention policies that are to be followed at all times. All company employees, contractors and subcontract personnel are to observe safe working practices and prevent pollution to the maximum extent possible.

In the event of an emergency, spill, fire, explosion or blowout, personal injuries, property or equipment damage, call MARATHON OIL COMPANY @ 1-800-351-1417

Prior to drilling, certain measures should be taken:

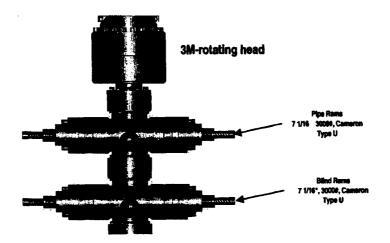
- 1. Use impervious materials to build the location and the reserve pit.
- 2. Ditch the outline of the rig toward the reserve pit.
- 3. Place sumps on each end of the rig to catch any free oil or debris from entering the reserve pit.
- 4. Keep materials on location to contain or clean up spills (absorbent pads, shovels, etc).
- 5. Make known to Drilling Supervisors a list of spill response contractors available.
- 6. BOP testing shall be performed each time a casing string is set.
- 7. The Drilling contractor is required to have a certified SPCC plan for the Drilling rig.
- 8. Routine inspections of the operations shall be performed to ensure SPCC guidelines are followed.
- 9. Ensure all Marathon personnel are HAZWOPER trained in methods for stopping, controlling, and cleaning up any spills.

## Spill control measures to be taken:

- 1. Shut down activities underway, as deemed necessary by the person in charge.
- 2. Determine the source of pollution and stop the discharge, if possible.
- 3. Isolate and contain the discharged materials, if possible.
- 4. Seek guidance from the Southern Region Emergency Action Plan.

## 7 1/16" BOP stack







## Planned Wellpath Report Plan #1 Page 1 of 5



REFER	REFERENCE WELLPATH IDENTIFICATION									
Operator	Marathon Oil Company	Slot	#8_SHL							
Area	Eddy County, NM	Well	IHSC #8							
Field	Indian Basin Field	Wellbore	#8 PWB							
Facility	Indian Basin									

REPORT SETUP	INFORMATION		
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect™ 1.2
North Reference	Grid	User	GomeOscR
Scale	0.999914	Report Generated	01/16/07 at 15:44:28
Wellbore last revised	12/19/06	Database/Source file	WA_Midland/#8_PWB

	Local coo	rdinates	Grid co	ordinates	Geographic coordinates		
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]	
Slot Location	0.00	0.00	433867.50	554857.50	32 31 30.826N	104 32 52.438W	
Facility Reference Pt			433867.50	554857.50	32 31 30.826N	104 32 52.438W	
Field Reference Pt			0.00	0.00	30 59 24.512N	105 55 44.137W	

Calculation method	Minimum curvature	Rig on #8 _SHL (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on #8 _SHL (RT) to Mean Sea Level	0.00 feet
Vertical Reference Pt	Rig on #8 _SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on #8 _SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	173.00°



## Planned Wellpath Report Plan #1 Page 2 of 5



REFER	REFERENCE WELLPATH IDENTIFICATION								
Operator	Marathon Oil Company	Slot	#8_SHL						
Area	Eddy County, NM	Well	IHSC #8						
Field	Indian Basin Field	Wellbore	#8 PWB						
Facility	Indian Basin	parameter consideration constrained to designate access							

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Commen
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00		
100.00	1.000	357.000	99.99	-0.87	0.87	-0.05	1.00		
200.00	1.000	13.000	199.98	-2.56	2.59	0.10	0.28		Ì
300.00	1.250	25.000	299.96	-4.31	4.43	0.76	0.34		
/400 (B)				ing Cant	and the				
500.00	1.250	50.000	499.91	-7.50	7.95	3.25	0.37		
600.00	1.000	29.000	599.89	-8.80	9.42	4.51	0.48		
700.00	1.000	26.000	699.88	-10.23	10.96	5.31	0.05		
800.00	1.000	19.000	799.86	-11.75	12.57	5.98	0.12		
				n de dec					
1000.00	1.000	19.000	999.83	-14.89	15.87	7.11	0.00		-
1100.00	1.000	25.000	1099.82	-16.41	17.49	7.77	0.10		
1200.00	1.000	19.000	1199.80	-17.94	19.10	8.42	0.10		
1300.00	1.000	12.000	1299.79	-19.55	20.78	8.89	0.12		
	10 To					2.	1.512,516 41.4654		
1500.00	1.000	18.000	1499.76	-22.78	24.15	9.79	0.05		
1600.00	1.250	18.000	1599.74	-24.56	26.02	10.39	0.25		
1700.00	1.000	18.000	1699.72	-26.34	27.89	11.00	0.25		
1800.00	1.000	22.000	1799.70	-27.89	29.53	11.60	0.07		
		and the second second	# 1350Kg	-2943				Maria .	12 . <b>M</b> .
2000.00	1.000	22.000	1999.67	-30.96	32.77	12.88	0.02		
2100.00	1.000	22.000	2099.66	-32.49	34.39	13.53	0.00		
2200.00	1.000	26.000	2199.64	-33.98	35.99	14.24	0.07		
2300.00	1.000	30.000	2299.63	-35.41	37.53	15.06	0.07		
2400:60	MANUFACTURE CONT. CO. CO. CO. CO. CO. CO. CO. CO. CO. CO			23681	34.64	Produktion			
2500.00	0.750	30.000	2499.60	-38.02	40.36	16.70	0.25		
2600.00	0.750	30.000	2599.59	-39.07	41.49	17.35	0.00		
2700.00	0.750	17.000	2699.58	-40.19	42.69	17.87	0.17		
2800.00	0.750	359.000	2799.58	-41.44	43.97	18.05	0.23		
3000.00	0.500	22.000	2999.57	<b>-42.49</b> -43.28	45.64	19.44	0.05		
3100.00	0.500	30.000	3099.56	-43.28 -44.01	45.86 46.65	18.44	0.05 0.07		
3200.00	0.500	47.000	3199.56	-44.01 -44.61	47.32	19.36	0.07	<u> </u>	
3300.00	0.500	11.000	3299.55	-44.61	48.05		THE TAXABLE PROPERTY OF THE PARTY OF THE PAR	<u></u>	
2200.00	0.300	77.000	3299.33	-43.28 22.500	48.03	19.76	0.31		
3500.00	0.500	30.000	3499.55	-46.44	49.27	20.19	0.26		
3600.00	0.500	18.000	3499.33						
3700.00	0.500	3.000	3699.54	-47.19 -48.01	50.06 50.91	20.54	0.10		
3800.00	0.500	20.000	3799.54	-48.83	51.76	20.70	0.13 0.15	<del> </del>	



## Planned Wellpath Report Plan #1 Page 3 of 5



REFER	REFERENCE WELLPATH IDENTIFICATION								
Operator	Marathon Oil Company	Slot	#8_SHL						
Area	Eddy County, NM	Well	IHSC #8						
Field	Indian Basin Field	Wellbore	#8 PWB						
Facility	Indian Basin								

MD	DATA (117 s	Azimuth	= interpola	Vert Sect	North	East	DLS	Design	Path
[feet]	[°]	[°]	[feet]	[feet]	[feet]	[feet]	[°/100ft]	Comments	Comment
4000.00	1.000	13.000	3999.51	-51.58	54.65	21.85	0.14		
4100.00	1.000	6.000	4099.50	-53.25	56.37	22.13	0.12		
4200.00	1.000	358.000	4199.48	-54.97	58.11	22.19	0.14		AND COMMENT OF THE PROPERTY OF
4300.00	1.250	334.000	4299.47	-56.87	59.96	21.68	0.53		
		Section 1		-532-5		The personners	STATE OF THE STATE	786 S	len Janes Heiri (S
4500.00	1.750	308.000	4499.40	-61.13	63.83	18.25	0.38		
4600.00	2.000	299.000	4599.34	-63.23	65.61	15.52	0.39		
4700.00	2.000	295.000	4699.28	-65.18	67.20	12.41	0.14		
4800.00	2.750	305.000	4799.20	-67.71	69.31	8.87	0.85		
4900 002	3.000		San			-			in the second
5000.00	3.250	310.000	4998.92	-74.82	75.43	0.39	0.41		
5100.00	3.000	297.000	5098.77	-78.36	78.44	-4.11	0.75		
5200.00	3.000	300.000	5198.64	-81.40	80.94	-8.71	0.16		
5300.00	2.750	304.000	5298.51	-84.55	83.59	-12.96	0.32		
								7.00	4 195
5500.00	2.750	318.000	5498.28	-91.48	89.67	-20.34	0.48		
5600.00	2.250	316.000	5598.19	-95.01	92.86	-23.31	0.51		
5700.00	2.000	318.000	5698.12	-98.01	95.57	-25.84	0.26		
5745.00	1.500	306.000	5743.10	-99.05	96.50	-26.84	1.37		
	u a se	Tana and a				dia .	036		
5915.00	3.750	242.000	5912.97	-100.53	97.31	-32.35	3.72		
6009.00	4.500	252.000	6006.73	-98.72	94.73	-38.57	1.10		
6103.00	6.000	231.000	6100.34	-95.41	90.50	-45.90	2.57		
6197.00	7.000	218.000	6193.74	-88.76	82.89	-53.24	1.89	According to their control of the control of	
X.C. 3. A.C. 1		A CONTRACTOR OF THE PARTY OF TH				= 5016			
6385.00	12.250	155.000	6379.16	-60.65	54.08	-57.21	8.71		
6479.00	14.500	132.000	6470.67	-42.27	37.16	-44.24	6.09		
6573.00	14.750	130.000	6561.62	-24.64	21.59	-26.32	0.60		
6667.00	13.000	129.000	6652.88	-8.28	7.24	-8.94	1.88		74547
<b>SIGN 99</b>	11.050	151.000	6027.01	21.46	10.45	620			
6855.00	11.250	151.000	6837.01	21.46	-19.47	17.57	4.13	[	
6949.00 7043.00	13.000 14.000	171.000	6928.95	40.54	-37.94	23.67	4.81		
		173.000	7020.35	62.48	-59.67	26.71	1.17		
7137.00	12.000	171.000	7111.93	83.62	-80.61	29.63	2.18		
The state of the s	The state of the s	***************************************	7206.72	CONTRACTOR OF THE PROPERTY OF	The second secon	THE RESERVE OF THE PROPERTY OF THE PERSON NAMED IN	1 44	- 1.2 CO. 1864	
7325.00	9.250	175.000	7296.73	118.06	-114.75	34.20	1.44		
7419.00	8.250	176.000	7389.64	132.35	-129.00	35.33	1.08		
7513.00 7602.68†	6.500	183.000 185.851	7482.86 7572.00	144.32	-141.05	35.52	2.09		T I D
7602.68†	6.023	185.851	/3/2.00	153.91	-150.80	34.77	0.64	months and the same	Upper Penn



## Planned Wellpath Report Plan #1 Page 4 of 5



REFER	REFERENCE WELLPATH IDENTIFICATION								
Operator	Marathon Oil Company	Slot	#8_SHL						
Area	Eddy County, NM	Well	IHSC #8						
Field	Indian Basin Field	Wellbore	#8 PWB						
Facility	Indian Basin								

WELLPATH	DATA (11'	7 stations)	† = interp	† = interpolated/extrapolated station							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments	Path Comment		
7701.00	5.500	186.000	7669.82	163.53	-160.61	33.74	0.53				
7795.00	5.500	189.000	7763.39	172.25	-169.54	32.57	0.31				
7889.00	5.500	192.000	7856.96	180.84	-178.40	30.92	0.31				
7983.00	4.750	193.000	7950.58	188.75	-186.60	29.11	0.00	Tie On			
	75.50		Mary Mary Say Say		100000	75					
8083.00†	4.750	193.000	8050.24	196.53	-194.66	27.25	0.00				
8119.00	4.750	193.000	8086.12	199.34	-197.57	26.58	0.00	KOP			
8183.00†	3.960	179.651	8149.93	204.02	-202.36	26.00	2.00				
8205.56	3.747	173.730	8172.44	205.53	-203.87	26.08	2.00	EOD			
		<b>Exist</b>			2707						
8298.32†	3.747	173.730	8265.00	211.59	-209.90	26.74	0.00		Oil/Water Contact		
8383.00†	3.747	173.730	8349.50	217.13	-215.40	27.35	0.00				
8483.00†	3.747	173.730	8449.29	223.66	-221.89	28.06	0.00				
8583.00†	3.747	173.730	8549.07	230.19	-228.39	28.78	0.00				
				recent of the second			* 4/4	BEST OF THE	Commence of the contract of		
8783.00†	3.747	173.730	8748.65	243.26	-241.38	30.20	0.00				
8883.00†	3.747	173.730	8848.43	249.80	-247.88	30.92	0.00		TO THE PARTY OF TH		
8924.66†	3.747	173.730	8890.00	252.52	-250.58	31.21	0.00		Atoka Clastic		
8983.00†	3.747	173.730	8948.22	256.33	-254.37	31.63	0.00				
	1.77	NATIONAL STREET	,,,,,,						manufacture of the Property of		
9183.00†	3.747	173.730	9147.79	269.40	-267.36	33.06	0.00				
9215.28†	3.747	173.730	9180.00	271.51	-269.46	33.29	0.00		Morrow		
9283.00†	3.747	173.730	9247.58	275.93	-273.86	33.77	0.00				
9383.00†	3.747	173.730	9347.37	282.47	-280.35	34.48	0.00				
938564	3747		9350.00		-280.52	34.50		100 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m			
9483.00†	1.799	173.730	9447.24	287.35	-285.21	35.02	2.00				
9515.77†	1.144	173.730	9480.00	288.19	-286.04	35.11	2.00		Primary pay sand		
9572.97	0.000	173.730	9537.20	288.76	-286.61	35.17	2.00	EOD			
9575.77†	0.000	173.730	9540.00	288.76	-286.61	35.17	0.00		Morrow Base (Chester)		
44:0583.0df						35.13					
9683.00†	0.000	0.000	9647.23	288.76	-286.61	35.17	0.00				
9783.00†	0.000	0.000	9747.23	288.76	-286.61	35.17	0.00				
9865.77†	0.000	173.730	9830.00	288.76	-286.61	35.17	0.00		Mississippi Lime		
9883.00†	0.000	0.000	9847.23	288.76	-286.61	35.17	0.00				
W-20085.00			and particular		-286-61	i i i i i i i i i i i i i i i i i i i	elipo				
10083.00†	0.000	0.000	10047.23	288.76	-286.61	35.17	0.00				
10135.77	0.000	173.730	10100.00	288.76	-286.61	35.17	0.00	#8 BHL			

HOLE & CASING SE	CTIONS	Ref Wellbon	Ref Wellbore: #8 PWB Ref Wellpath: Plan #1								
String/Diameter	Start MD [feet]	End MD [feet]	Interval [feet]	Start TVD [feet]	End TVD [feet]	Start N/S [feet]	Start E/W [feet]	End N/S [feet]	End E/W [feet]		
7in Casing	0.00	8019.00	8019.00	0.00	7986.46	0.00	0.00	-189.50	28.44		
6.125in Open Hole	8019.00	10135.77	2116.77	7986.46	10100.00	-189.50	28.44	-286.61	35.17		



## Planned Wellpath Report Plan #1 Page 5 of 5



REFER	REFERENCE WELLPATH IDENTIFICATION									
Operator	Marathon Oil Company	Slot	#8_SHL							
Area	Eddy County, NM	Well	IHSC #8							
Field	Indian Basin Field	Wellbore	#8 PWB							
Facility	Indian Basin									

TARGETS									
Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
1) #8 T1	9385.64	9230 OF			PER CONTROL			364 (52 (2) (5) (5) (9) V	point

SURVEY PROGRAM Ref Wellbore: #8 PWB Ref Wellpath: Plan #1										
Start MD [feet]	End MD [feet]	Positional Uncertainty Model	Log Name/Comment	Wellbore						
0.00	5745.00	Unknown Tool (Standard)		#8 AWB						
5745.00	7983.00	Unknown Tool (Standard)		#8 AWB						
7983.00	10135.77	NaviTrak (Standard)		#8 PWB						



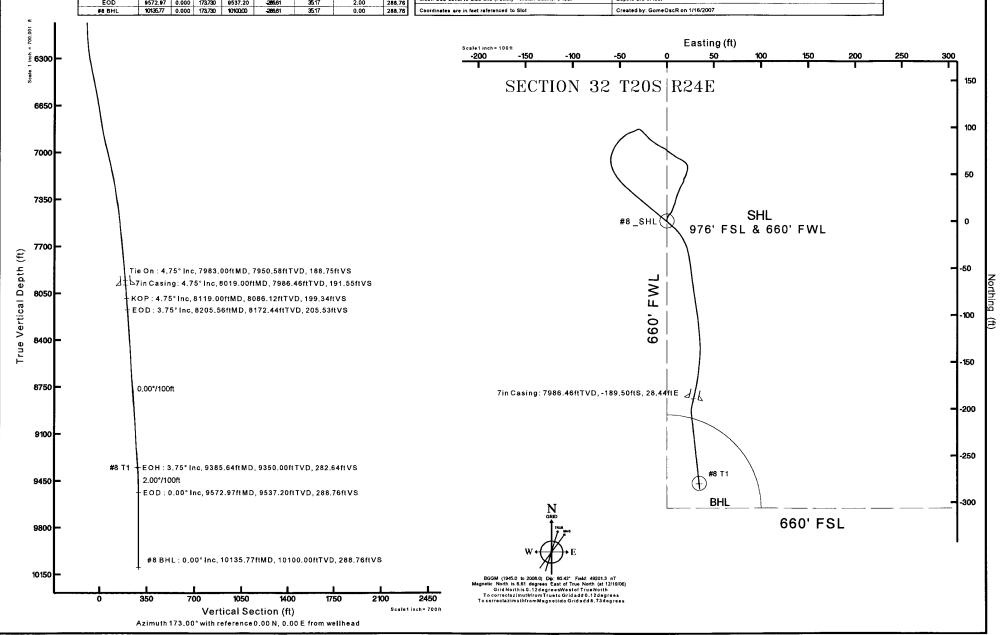
## Marathon Oil Company Location: Eddy County, NM Field: Indian Basin Field Welt HISC#8

Facility: IndianBasin



Well Profile Data										
Design Comment	MD (ft)	Inc (*)	Az (*)	TVD (R)	Local N (ft)	Local E (R)	DLS (*/100ft)	VS (R)		
Tie On	7983.00	4.750	193,000	7950.58	-186,60	29.11	0.00	188.75		
KOP	8119,00	4.750	193,000	8086.12	-197,57	26.58	0.00	199,34		
EOD	8205,56	3.747	173,730	8172.44	-203.67	26.08	2.00	205,53		
ECH	9385.64	3.747	173,730	9350,00	-280.52	34.50	0.00	282.64		
EOD	9572.97	0.000	173,730	9537.20	-285.61	35.17	2.00	288.76		
#8 BHL	10135.77	0.000	173.730	1010000	-28661	35.17	0.00	288.76		

Plot reference wellpath is Plan #1	
True vertical depths are referenced to Rig on #8 _SHL (RT)	Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on #8 _SHL (RT)	North Reference: Grid north
Rig on \$8 _SHL (RT) to Mean Sea Level: 0 feet	Scale: True distance
Mean Sea Level to Mud line (Facility - Indian Basin): 0 feet	Depths are in feet
Coordinates are in feet referenced to Stot	Created by: GomeOscR on 1/16/2007



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

<sup>1</sup> API Number

30-015-2748

Surface hole

Bottom hole 1 bestion @ 10135' State of New Mexico
Energy
finerals & Natural Resources

Month - Year FEB 2 6 2007 OCD - ARTESIA, NM

<sup>3</sup> Pool Name

Cemetary Morrow

and correct to the best of my belief.

Signature and Seal of Professional Surveyer:

Date of Survey

Certificate Number

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>2</sup> Pool Code

74640

AMENDED REPORT

<sup>4</sup> Property	Code		<sup>5</sup> Property Name							<sup>6</sup> Well Number	
0064	OB Indian Hills State Com								8		
<sup>7</sup> OGRID No. <sup>8</sup> Operator Name									<sup>9</sup> Elevation		
14021 Marathon Oil Company									3631'		
					10	Surface Loca	tion				
UL or lot no.	Section	Township	Range	Lot	. Idn	Feet from the	North/South line	Feet from the	East/West l	ine County	
м	36	20S	24E			976	South	660	West	Eddy	
			11 Bott	tom Ho	ole L	ocation If Dif	ferent From Su	rface			
UL or lot no.	Section	Township	Range		t. Idn	Feet from the	North/South line	Feet from the	East/West	line Count	
М	36	20\$	24E			687	South	695	West	Eddy	
<sup>2</sup> Dedicated Acre			Consolidation	1 Code	15 Or	der No.	000011			1 2003	
320		N			1						
		complete to the best of my knowledge and belief, a organization either owns a working interest or unl interest in the land including the proposed bottom or has a right to drill this well at this location pur-						proposed bottom hole locatio			
							······	to a voluntary poo	oling agreement	or a compulsory pooling ord	
heretofore entered by the division.  Charles F. L. 102/21/2007 Signature Charles E. Kendrix						/21/2007 Date					
			3					Printed Name Regulator cekendrix	@maratho	noil.com	
								I hereby certify the was plotted from f	at the well local Teld notes of ac	ERTIFICATION iton shown on this plat tual surveys made by that the same is true	