

API No. <u>42-255-33557</u> Drilling Permit # <u>777536</u> SWR Exception Case/Docket No. <u>0286911</u> (R37)		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. <u>525398</u>		2. Operator's Name (as shown on form P-5, Organization Report) MARATHON OIL EF LLC		3. Operator Address (include street, city, state, zip):			
4. Lease Name KARNES CITY NE UNIT		5. Well No. <u>1H</u>					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack							
8. Total Depth <u>18900</u>		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <u>02</u>		12. County KARNES		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>1.5</u> miles in a <u>NE</u> direction from <u>Karnes City</u> which is the nearest town in the county of the well site.							
15. Section		16. Block		17. Survey R. MUNCAS		18. Abstract No. <u>A-203</u>	
				19. Distance to nearest lease line: <u>1</u> ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>368.14</u>	
21. Lease Perpendiculars: <u>512</u> ft from the <u>N</u> line and <u>603</u> ft from the <u>E</u> line. 22. Survey Perpendiculars: <u>603</u> ft from the <u>E</u> line and <u>995</u> ft from the <u>S</u> line.							
23. Is this a pooled unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		24. Unitization Docket No:		25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes (attach Form W-1A) <input checked="" type="checkbox"/> No			
FIELD INFORMATION List all fields of anticipated completion including Wildcat. List one zone per line.							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
<u>02</u>	<u>27135750</u>	<u>EAGLEVILLE (EAGLE FORD-2)</u>		<u>Oil or Gas Well</u>	<u>12800</u>	<u>0.00</u>	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks 				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <u>Adele Moreno, Senior Regulatory Rep.</u> <u>Jan 16, 2014</u> Name of filer Date submitted <u>(210)561-4271</u> <u>amoreno@marathonoil.com</u> Phone E-mail Address (OPTIONAL)			
RRC Use Only							
Data Validation Time Stamp: <u>Mar 5, 2014 12:30 PM ('As Approved' Version)</u>							

Permit Status: Approved <i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>

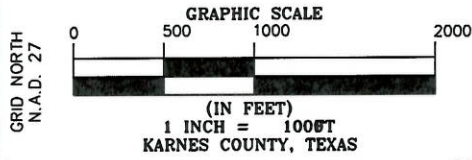
**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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 A certification of the automated data is available in the RRC's Austin office.*

Permit #	777536
Approved Date: Mar 05, 2014	

1. RRC Operator No. 525398	2. Operator's Name (exactly as shown on form P-5, Organization Report) MARATHON OIL EF LLC	3. Lease Name KARNES CITY NE UNIT	4. Well No. 1H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 EAGLEVILLE (EAGLE FORD-2) (Field # 27135750, RRC District 02)			
6. Section	7. Block	8. Survey MUNCOS, R	9. Abstract 203
		10. County of BHL KARNES	
11. Terminus Lease Line Perpendiculars 50 ft. from the S line. and 522 ft. from the E line			
12. Terminus Survey Line Perpendiculars 440 ft. from the E line. and 5387 ft. from the N line			
13. Penetration Point Lease Line Perpendiculars 322 ft. from the N line. and 337 ft. from the E line			



GRID NORTH
N.A.D. 27

KARNES CITY NE
#1H (SHL)
± 603' FEL
± 995' FSL (A-203)

(PP)
± 337' FEL
± 1,188' FSL (A-203)
(FTP)
± 342' FEL
± 1,039' FSL (A-203)

A. LOMBRANO
SURVEY,
A-179

R. MUNCAS SURVEY
A-203

J. A. LEAL SURVEY,
A-184

MARATHON OIL
EF LLC
KARNES CITY NE UNIT
368.14 ACRES

FOR A MORE DETAILED
VERSION OF THIS PLAT
WITH ADDITIONAL
TRACT TABLE,
PLEASE SEE
PAGES 2-5 OF 5

288' TO
NEAREST
UNLEASED
TRACT

M.W. POTTER SURVEY,
A-233

BORE PATH TABLE		
POINT	BEARING	DISTANCE
SHL		
	N51°58'E	328'
PP		
	S00°04'E	150'
FTP		
	S00°04'E	6,304'
LTP		
	S00°04'E	125'
BHL		

(LTP)
± 440' FEL
± 5,262' FNL (A-184)
(BHL)
± 440' FEL
± 5,387' FNL (A-184)
525'
522'

LEGEND:

- (SHL) PROPOSED SURFACE HOLE LOCATION
- (PP) PROPOSED PENETRATION POINT
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- (BHL) PROPOSED BOTTOM HOLE LOCATION
- UNIT LINE
- - - APPROXIMATE SURVEY LINE
- - - WELL BORE PATH
- - - APPROXIMATE RIGHT OF WAY LINE

PROPOSED
SURFACE HOLE
LOCATION:

X: 2,353,574 (NAD 27 TxSC)
Y: 391,357
LAT 28°54'18.36" N (NAD 27)
LON 97°53'41.54" W
LAT 28°54'19.28" N (NAD 83)
LON 97°53'42.55" W
ELEV.: 372' (NAVD 1988)
UNIT: 512' FNL & 603' FEL
SURVEY: ± 603' FEL &
± 995' FSL (A-203)
BEARS: NORTHEAST 1.5 MILES
FROM KARNES CITY, TX

PROPOSED
PENETRATION POINT:

X: 2,353,832 (NAD 27 TxSC)
Y: 391,559
UNIT: 322' FNL & 337' FEL
SURVEY: ± 337' FEL
& ± 1,188' FSL (A-203)

PROPOSED
FIRST TAKE POINT:

X: 2,353,832 (NAD 27 TxSC)
Y: 391,409
UNIT: 472' FNL & 342' FEL
SURVEY: ± 342' FEL
& ± 1,039' FSL (A-203)

PROPOSED
LAST TAKE POINT:

X: 2,353,840 (NAD 27 TxSC)
Y: 385,105
UNIT: 175' FSL & 525' FEL
SURVEY: ± 440' FEL
& ± 5,262' FNL (A-184)

PROPOSED
BOTTOM HOLE:

X: 2,353,840 (NAD 27 TxSC)
Y: 384,980
UNIT: 50' FSL & 522' FEL
SURVEY: ± 440' FEL &
± 5,387' FNL (A-184)

NOTES:

- ALL BEARINGS ARE REFERENCED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204) NAD 27. ALL DISTANCES AND ACREAGES ARE ACTUAL.
- USGS QUAD NAME: KARNES CITY
- ALL BOUNDARY DATA PROVIDED BY MARATHON OIL EF LLC. THIS PLAT IS NOT INTENDED TO BE A BOUNDARY SURVEY AND DOES NOT MEET THE REQUIREMENTS FOR BOUNDARY SURVEYS IN THE STATE OF TEXAS.

I HEREBY CERTIFY THAT THIS PLAT, DRAWN TO THE SCALE INDICATED, ACCURATELY REPRESENTS CONDITIONS AS THEY ACTUALLY EXIST ON THE PROPERTY ON WHICH PERMIT TO DRILL IS SOUGHT AND CORRECTLY REFLECTS ALL PERTINENT DATA REQUIRED TO BE SHOWN ON SUCH PLAT BY ORDERS OF THE RAILROAD COMMISSION OF TEXAS.



Michael S. Partridge
MICHAEL S. PARTRIDGE
REGISTERED PROFESSIONAL LAND SURVEYOR
NO. 6125 - STATE OF TEXAS
01/10/2014

NO.	REVISION	DATE
PROJECT:	LONGHORN AREA	
JOB NUMBER:	33614	
DATE:	12/12/2013	
SCALE:	1"=1000'	
SURVEYOR:	M. PARTRIDGE	
TECHNICIAN:	RMA / RCA	
DRAWING:	KCNE 1H PERMIT	

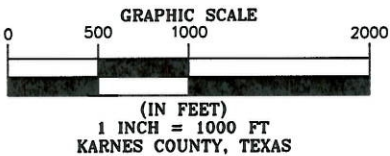
SAM
SURVEYING & MAPPING ENGINEERING

11111 KATY FREEWAY
SUITE 200
HOUSTON, TX. 77079
TEL: (713) 973-5100
FAX: (713) 973-5103
EMAIL: SAM@SAMINC.BIZ
TEXAS FIRM REGISTRATION
NO. 10064300

MARATHON OIL EF LLC
KARNES CITY NE UNIT No. 1H
368.14 ACRES

J.A. LEAL SURVEY, A-184
R. MUNCAS SURVEY, A-203
KARNES COUNTY, TEXAS

GRID NORTH
N.A.D. 27



R. MUNCAS SURVEY
A-203

KARNES CITY NE
#1H (SHL)

± 603' FEL
± 995' FSL
(A-203)

(PP)
± 337' FEL
± 1,188' FSL
(A-203)

(FTP)
± 342' FEL
± 1,039' FSL
(A-203)

MARATHON OIL
EF LLC
KARNES CITY NE UNIT
368.14 ACRES

J. A. LEAL SURVEY,
A-184

MATCH LINE

MATCH LINE

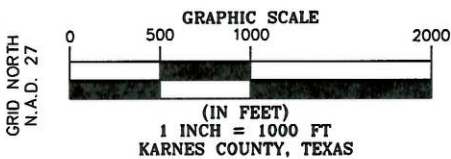


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MARATHON OIL EF LLC
KARNES CITY NE UNIT No. 1H
368.14 ACRES

J.A. LEAL SURVEY, A-184
R. MUNCAS SURVEY, A-203
KARNES COUNTY, TEXAS

NO.	REVISION	DATE
PROJECT: LONGHORN AREA		
JOB NUMBER: 33605		
DATE: 12/12/2013		
SCALE: 1"=1000'		
SURVEYOR: M. PARTRIDGE		
TECHNICIAN: RMA / RCA		
DRAWING: KCNE 1H PERMIT		



GRID NORTH
N.A.D. 27

MATCH LINE

MATCH LINE

MARATHON OIL
EF LLC
KARNES CITY NE UNIT
368.14 ACRES

J. A. LEAL SURVEY,
A-184

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MICHAEL S. PARTRIDGE
REGISTERED PROFESSIONAL LAND SURVEYOR
NO. 6125 - STATE OF TEXAS

01/10/2014

MARATHON OIL EF LLC
KARNES CITY NE UNIT No. 1H
368.14 ACRES

J.A. LEAL SURVEY, A-184
R. MUNCAS SURVEY, A-203
KARNES COUNTY, TEXAS

NO.	REVISION	DATE
PROJECT: LONGHORN AREA		
JOB NUMBER: 33614		
DATE: 12/12/2013		
SCALE: 1"=1000'		
SURVEYOR: M. PARTRIDGE		
TECHNICIAN: RMA / RCA		
DRAWING: KCNE 1H PERMIT		



11111 KATY FREEWAY
SUITE 200
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TEL: (713) 973-5100
FAX: (713) 973-5103
EMAIL: SAM@SAMINC.BIZ
TEXAS FIRM REGISTRATION
NO. 10064300

TRACT NUMBER	ACRES IN UNIT
1	16.19
2	24.13
3	2.74
4	10.01
5	2.00
6	11.64
7	1.77
8	7.81
9	7.05
10	3.02
11	4.05
12	7.03
13	0.96
14	0.97
15	2.95
16	3.48
17	0.51
18	0.51
19	1.51
20	1.43
21	0.75
22	1.01
23	6.58
24	1.32
25	3.27
26	1.15
27	0.93
28	6.31
29	0.20
30	0.24
31	0.42
32	0.98
33	0.40
34	0.24
35	1.17
36	0.83
37	0.40
38	0.52
39	0.27
40	0.24
41	0.25
42	0.49
43	0.52
44	0.07
58-1	5.56
58-2	0.22
59-1	0.11
60-1	0.74
60-2	0.70
60-3	0.62
60-4	0.54
60-5	0.39
61-1	0.44
61-2	1.12
61-3	0.75
61-4	0.28
61-5	0.42
62-1	0.63
62-2	0.49
62-3	0.97
62-4	0.43
62-5	0.58
63-1	0.71
63-2	0.75
63-3	0.80

TRACT NUMBER	ACRES IN UNIT
63-4	0.34
63-5	0.51
64-1	0.40
64-2	0.25
64-3	0.93
64-4	0.47
64-5	0.22
64-6	0.25
64-7	0.50
65-1	0.72
65-2	0.34
65-3	0.22
65-4	0.52
65-5	0.40
65-6	0.24
65-7	0.56
66-1	0.81
66-2	0.11
66-3	1.98
67-1	0.54
67-2	0.58
67-3	0.78
67-4	0.11
67-5	0.11
67-6	0.11
67-7	0.38
67-8	0.40
82-1	0.41
82-2	0.48
82-3	0.21
82-4	0.36
82-5	0.59
83-1	0.57
83-2	0.80
83-3	0.21
83-4	0.21
83-5	0.36
83-6	0.59
84-1	0.57
84-2	0.61
84-3	0.20
84-4	0.62
84-5	0.83
85-1	0.62
85-2	0.86
85-3	0.78
85-4	0.59
86-1	0.37
86-2	0.30
86-3	0.70
86-4	0.42
86-5	0.34
86-6	0.80
87-1	0.57
87-2	0.68
87-3	0.31
87-4	0.56
87-5	0.34
87-6	0.43
88-1	0.31
88-2	0.22
88-3	0.20
88-4	0.20
88-5	0.52
88-6	0.49

TRACT NUMBER	ACRES IN UNIT
88-7	0.21
88-8	0.27
88-9	0.38
89-1	2.79
90-1	2.48
90-2	0.21
91-1	0.30
91-2	0.08
91-3	0.33
91-4	0.34
91-5	0.23
91-6	0.26
105-1	0.72
105-2	0.27
105-3	0.39
105-4	0.26
105-5	0.13
106-1	0.57
106-2	0.21
106-3	0.34
106-4	0.43
106-5	0.57
106-6	0.57
107-1	0.48
107-2	0.19
107-3	0.19
107-4	0.28
107-5	0.20
107-6	0.52
107-7	0.20
107-8	0.20
107-9	0.52
108-1	0.52
108-2	0.40
108-3	0.52
108-4	0.49
108-5	0.56
108-6	0.30
109-1	0.57
109-2	0.46
109-3	0.21
109-4	0.87
109-5	0.77
110-1	0.78
110-2	0.19
110-3	0.23
110-4	0.66
110-5	0.66
110-6	0.36
111-1	0.52
111-2	0.40
111-3	0.20
111-4	0.32
111-5	0.30
111-6	0.19
111-7	0.37
111-8	0.49
112-1	0.30
112-2	0.19
112-3	0.37
112-4	0.48
112-5	0.52
112-6	0.40
112-7	0.52
113-1	0.43

TRACT NUMBER	ACRES IN UNIT
113-2	0.49
113-3	0.39
113-4	0.60
114-1	0.52
114-2	0.20
114-3	0.20
114-4	0.20
114-5	0.32
114-6	0.30
114-7	0.37
114-8	0.19
114-9	0.49
129-1	0.72
129-2	0.67
129-3	1.40
130-1	0.36
130-2	0.36
130-3	0.21
130-4	0.21
130-5	0.52
130-6	0.57
130-7	0.02
131-1	0.69
131-2	0.50
131-3	0.20
131-4	0.20
131-5	0.20
131-6	0.32
132-1	0.52
132-2	0.20
132-3	0.40
132-4	0.32
132-5	0.36
132-6	0.26
132-7	0.24
132-8	0.49
133-1	0.42
133-2	0.47
133-3	0.26
133-4	0.31
133-5	0.26
133-6	0.51
133-7	0.66
134-1	0.37
134-2	0.30
134-3	0.42
134-4	0.27
134-5	0.76
134-6	0.25
134-7	0.50
135-1	0.23
135-2	0.20
135-3	0.40
135-4	0.52
135-5	0.39
135-6	0.47
135-7	0.48
136-1	0.67
136-2	0.37
136-3	0.17
136-4	0.28
136-5	0.20
136-6	0.61
137-1	0.36
137-2	0.36

NO.	REVISION	DATE
PROJECT: LONGHORN AREA		
JOB NUMBER: 33614		
DATE: 12/12/2013		
SCALE: 1"=1000'		
SURVEYOR: M. PARTRIDGE		
TECHNICIAN: RMA / RCA		
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KARNES CITY NE UNIT No. 1H
368.14 ACRES

J.A. LEAL SURVEY, A-184
R. MUNCAS SURVEY, A-203
KARNES COUNTY, TEXAS

TRACT NUMBER	ACRES IN UNIT
B-12	0.46
B-13	0.68
E-1	0.82
E-2	0.20
E-3	0.26
E-4	0.27
E-5	0.30
S-1	0.41
S-2	0.20
S-3	0.20
S-4	0.28
S-5	0.52
S-6	0.45
S-7	0.32
S-8	0.29
S-9	0.29
S-10	0.30
S-11	0.32
S-12	0.21
S-13	1.38
W-1	0.40
W-2	0.26
W-3	0.33
W-4	0.33
W-5	0.88
W-6	0.44
W-7	0.74
W-8	0.42
W-9	0.24
W-10A	0.62
W-10B	0.05
W-11	0.27
W-12	0.18
W-13	0.33
W-14	0.33
W-15	0.22
W-16	0.22
W-17	0.14
W-18	0.42
HW-1	3.06
HW-2	0.70
HW-3	1.51
HW-4	0.15
HW-5	0.09
HW-6	0.23
HW-7	0.23
HW-8	0.08
HW-9	5.45
HW-10	4.99
HW-11	13.41
HW-12	0.37
TOTAL	376.03

TRACT NUMBER	ACRES IN UNIT
67-5	0.11
83-2	0.80
90-2	0.21
107-7	0.20
113-1	0.43
130-4	0.21
134-7	0.50
138-4	0.20
154-1	1.02
154-3	0.21
154-5	0.38
154-6	0.57
156-2	0.20
159-2	0.75
159-5	0.33
160-5	0.20
183-2	0.57
203-4	0.48
203-6	0.20
210-6	0.32
TOTAL	7.89

LEAVING A
BALANCE OF
368.14 ACRES

NO.	REVISION	DATE
PROJECT: LONGHORN AREA		
JOB NUMBER: 33614		
DATE: 12/12/2013		
SCALE: 1"=1000'		
SURVEYOR: M. PARTRIDGE		
TECHNICIAN: RMA / RCA		
DRAWING: KCNE 1H PERMIT		



IIIII KATY FREEWAY
SUITE 200
HOUSTON, TX. 77079
TEL: (713) 973-5100
FAX: (713) 973-5103
EMAIL: SAM@SAMINC.BIZ
TEXAS FIRM REGISTRATION
NO. 10064300

MARATHON OIL EF LLC
KARNES CITY NE UNIT No. 1H
368.14 ACRES

J.A. LEAL SURVEY, A-184
R. MUNCAS SURVEY, A-203
KARNES COUNTY, TEXAS