

OTTO-WHIPPLE 4H UNIT 4H					
API #:	4231137374	GL:	311 ft	Field:	A.W.P.
Operator:	KIMMERIDGE TEXAS GAS, LLC	County:	MCMULLEN (TX)	Survey:	BS&F
Status:	ACTIVE	Lat, Lon:	28.2857171, -98.6774378	Block:	
Completion Type:	OIL	Abstract:	1058	Section:	24
				Spud Date:	06-05-2023
				First Completion Date:	08-31-2023
				Last Completion Date:	08-31-2023
				Wellbore Count:	1

PERMITS

PERMIT # 890793

GENERAL

Operator:	BLACKBRUSH OIL & GAS	Lease Name:	OTTO-WHIPPLE 4H UNIT	Address:	BRENDA GALLEGOS 19026 RIDGEWOOD PKWY STE 220 SAN ANTONIO, TX 78259	Filing Purpose:	NewDrill
TD:	9,646 ft	Received:	05-22-2023	Issued:	05-26-2023	RRC Lease ID #:	21152
Phone:	2102865539	Type:	H				

SURFACE LOCATION & ACREAGE

District:	1	Section:	24	Survey:	BS&F/WEST, T J	County:	MCMULLEN
Block:		Abstract:	1058				

FIELD

Field Name:	A.W.P.	Permit Type:	OIL
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WELLBORES

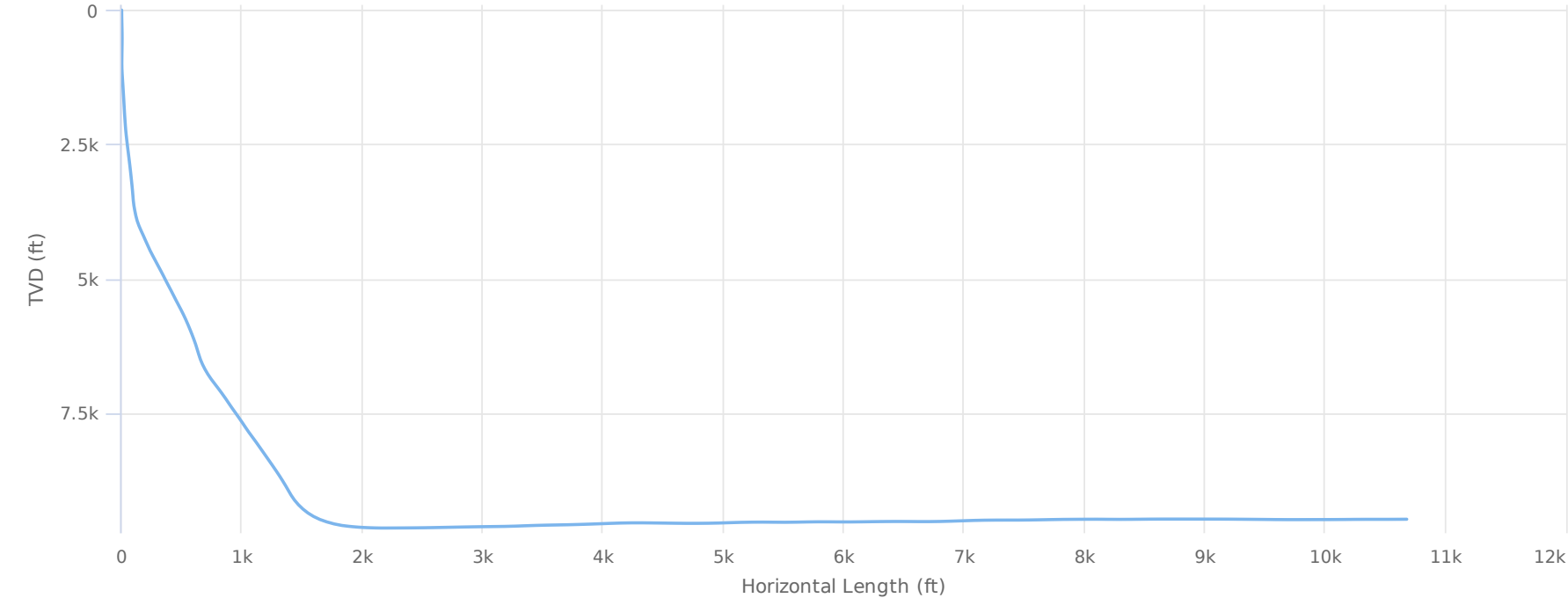
API # 423113737400

WELLBORE

API #:	Formation:	True Vert. Depth:	Horizontal Length:
423113737400	OLMOS	9,643 ft	10,681 ft
Trajectory:	Total Depth:	DI Lateral Length:	Elevation:
H	19,354 ft	9,219 ft	311 ft

WELLBORE TRAJECTORY

Chart Type: Total distance from well head



WELL DESIGN

CASING

API #	Casing Type	Casing Size (in)	Top Depth (ft)	Bottom Depth (ft)	Hole Size (in)	Casing Weight (lb/ft)	Casing Grade	Slurry Volume (cu ft)	Cement Amount (sacks)	Cement Class	Cement Top (ft)
42311373740000	SURFACE CASING	9.625	0	6,368	12.25			3,898	1,590	TYPE 1	0
42311373740000	PRODUCTION CASING	5.5	0	19,333	8.75			4,050	2,630	CLASS H	6,092

LINER

No liner data available for this well.

TUBING

API #	Tubing Size (in)	Tubing Depth (ft)
42311373740000	2.875	9,217

WELL LOGS

RASTER LOGS

No raster logs available for this well.

## COMPLETION

API # 42311373740000

## COMPLETION SUMMARY

<b>API #:</b>	<b>Completion Date:</b>	<b>Upper Perf:</b>	<b>Lower Perf:</b>
42311373740000	08-31-2023	10,257 ft	19,281 ft

## TREATMENT JOB #1 - 42311373740000

<b>Source:</b>	Additive Summary	<b>Job Start Date:</b>	08-10-2023	<b>Job End Date:</b>	08-17-2023	<b>Treatment Top:</b>
<b>Treatment Bottom:</b>		<b>Treatment Formation:</b>		<b>Stage Count:</b>		<b>Total Proppant:</b> 7,582,615 lbs
<b>Total Fluid:</b>	206,514 bbl	<b>Total Additive:</b>	66,777 lbs	<b>Max Treatment Rate:</b>		<b>Max Treatment Pressure:</b>
<b>Frac Vendor:</b>		<b>Treatment Type:</b>	SLICKWATER HC	<b>Remarks:</b>		

## TREATMENT DETAIL FOR JOB #1 - 42311373740000

API #	Source	Purpose	Material Name	Trade Name	Material Amount	Material Unit	Material Mass Concentration (%)	Supplier Name	Proppant Type	Proppant Mesh Size	Sand Quality	Cement Class
42311373740000	Additive Summary	BASE FLUID	Water		72,181,499	lbs	90.8					
42311373740000	Additive Summary	BASE FLUID		FRESH WATER		lbs		BLACKBRUSH OIL & GAS				
42311373740000	Additive Summary	BIOCIDES		DCUSA-DDAC10%		lbs		DYNACHEM INC				
42311373740000	Additive Summary	BREAKERS AND BREAKER CATALYSTS	Peroxydisulfuric acid [(HO)S(O)2O2], ammonium salt (1:2)		1,672	lbs	0					
42311373740000	Additive Summary	BREAKERS AND BREAKER CATALYSTS		DCUSA AP Breaker		lbs		DYNACHEM INC				
42311373740000	Additive Summary	CLAY CONTROL		DCUSA-CS-100		lbs		DYNACHEM INC				
42311373740000	Additive Summary	FRICTION REDUCERS	Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega-hydroxy-, branched		2,114	lbs	0					

4231137374 0000	Additive Summary	FRICTION REDUCERS		DCUSA- HVFR-100		lbs		DYNACHEM INC				
4231137374 0000	Additive Summary	PROPPANTS	Phenol, polymer with formaldehyd e		128,534	lbs	0.16		SAND			
4231137374 0000	Additive Summary	PROPPANTS	Quartz (SiO2)		7,454,081	lbs	6.13		SAND			
4231137374 0000	Additive Summary	PROPPANTS		Super LC		lbs		FAIRMOUNT SANTROL	SAND			
4231137374 0000	Additive Summary	SURFACTANT S		DCUSA- SURF-100		lbs		DYNACHEM INC				
4231137374 0000	Additive Summary	UNKNOWN	1- Decanaminu m, N-decyl- N,N- dimethyl-, chloride (1:1)		1,969	lbs	0					
4231137374 0000	Additive Summary	UNKNOWN	Alcohols, C10-16, ethoxylated		1,660	lbs	0					
4231137374 0000	Additive Summary	UNKNOWN	Amines, polyethylene poly-		11,393	lbs	0.01	DYNACHEM				
4231137374 0000	Additive Summary	UNKNOWN	Benzenesulfo nic acid, 4- dodecyl-, compd. with 2- aminoethano l (1:1)		3,320	lbs	0					
4231137374 0000	Additive Summary	UNKNOWN	Benzenesulfo nic acid, dodecyl-, calcium salt (2:1)		9,114	lbs	0.01	DYNACHEM				
4231137374 0000	Additive Summary	UNKNOWN	Distillates (petroleum), hydrotreated light		31,723	lbs	0.04					
4231137374 0000	Additive Summary	UNKNOWN	Ethanol		492	lbs	0					
4231137374 0000	Additive Summary	UNKNOWN	Oxirane, 2- methyl-, polymer with oxirane		3,320	lbs	0					

TREATMENT JOB #2 - 42311373740000

Source:	State Agency	Job Start Date:	Job End Date:	Treatment Top:	10,257 ft
Treatment Bottom:	19,281 ft	Treatment Formation:	Stage Count:	Total Proppant:	7,466,935 lbs
Total Fluid:	206,068 bbl	Total Additive:	Max Treatment Rate:	Max Treatment Pressure:	8,355 psi
Frac Vendor:	Treatment Type:	FRACTURE STIMULATION		Remarks:	7,466,935 LBS PROPPANT; 206,068 BBLS WATER

TREATMENT DETAIL FOR JOB #2 - 42311373740000

API #	Source	Purpose	Material Name	Trade Name	Material Amount	Material Unit	Material Mass Concentration (%)	Supplier Name	Proppant Type	Proppant Mesh Size	Sand Quality	Cement Class
42311373740000	State Agency	PROPPANT	7,466,935 LBS PROPPANT		7,466,935	LBS						
42311373740000	State Agency	WATER	206,068 BBLS WATER		8,654,856	GALS						

FORMATIONS

FORMATIONS

Formation	Top (ft)
YEGUA - DISPOSAL	476
WILCOX - DISPOSAL	5,581
NAVARRO	6,783
ESCONDIDO	8,098
OLMOS	9,480

WELL TESTS

PRODUCTION

API12	Test Date	Hours Tested	GOR	Casing Pressure (psi)	Flowing Tubing Pressure (psi)	Initial Shut In Pressure (psi)	Choke Size	Oil/Liquid Gravity	Gas Gravity	Oil Volume (bbl)	Gas Volume (Mcf)	Water Volume (bbl)	Test Type	Production Method	Top Depth (ft)	Bottom Depth (ft)	Test Formation
423113737400	09-13-2023	24		550	3,450		15.00	47		585	1,155	512	InitialPotentialTest	FLOWING	10,257	19,281	

DRILL STEM TESTS

No drill stem test data available for this well.

DRILL STEM TEST PIPE RECOVERY

No pipe recovery data data available for this well.

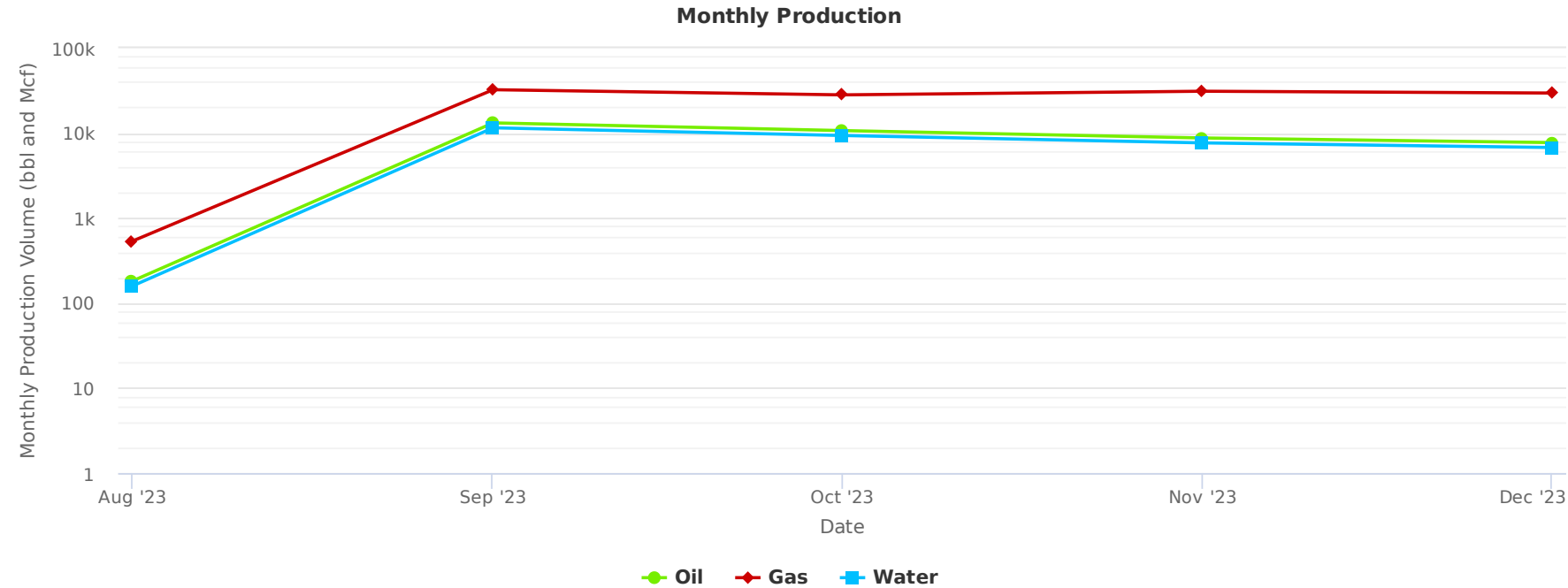
DRILL STEM TEST FLOW PERIODS

No flow period data available for this well.

PRODUCTION							
API # 42311373740000							
SUMMARY							
Producing Entity:	COM	Max Active Wells:	1	Cumulative Gas:	121,762	Oil EUR:	270,371
Reservoir:	OLMOS	First Prod Date:	08-01-2023	Peak Oil:	13,183	Gas EUR:	3,594,002
District:	01	Last Prod Date:	12-01-2023	Peak Gas:	32,387	Oil Gatherer:	SHELL TRADING (US) COMPANY
Lease:	OTTO-WHIPPLE 4H UNIT	Months Producing:	5	Daily Oil:	265	Gas Gatherer:	
Latest Well Count:	1	Cumulative Oil:	40,560	Daily Gas:	796		

PRODUCTION								
Date	Monthly Oil (bbl)	Monthly Gas (Mcf)	Monthly Water (bbl)	Avg Daily Oil (bbl)	Avg Daily Gas (Mcf)	Avg Daily Water (bbl)	Wells	Days
08-01-2023	182	536	159	5.87	17.29	5.13	1	
09-01-2023	13,183	32,387	11,538	439	1,080	385	1	
10-01-2023	10,703	28,161	9,368	345	908	302	1	
11-01-2023	8,760	31,083	7,667	292	1,036	256	1	
12-01-2023	7,732	29,595	6,767	249	955	218	1	

CHART



API # 42311373740000

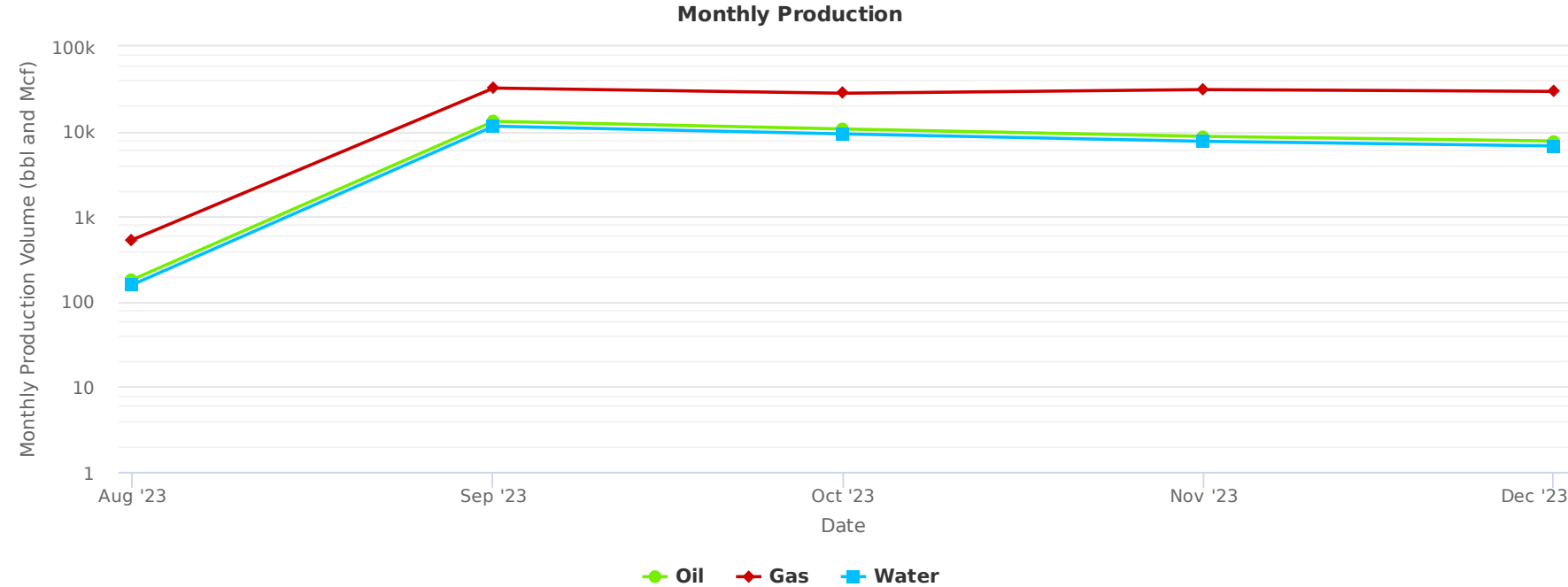
SUMMARY

Producing Entity:	LEASE	Max Active Wells:	1	Cumulative Gas:	121,762	Oil EUR:	
Reservoir:	OLMOS	First Prod Date:	08-01-2023	Peak Oil:	13,183	Gas EUR:	
District:	01	Last Prod Date:	12-01-2023	Peak Gas:	32,387	Oil Gatherer:	SHELL TRADING (US) COMPANY
Lease:	OTTO-WHIPPLE 4H UNIT	Months Producing:	5	Daily Oil:	265	Gas Gatherer:	
Latest Well Count:	1	Cumulative Oil:	40,560	Daily Gas:	796		

PRODUCTION

Date	Monthly Oil (bbl)	Monthly Gas (Mcf)	Monthly Water (bbl)	Avg Daily Oil (bbl)	Avg Daily Gas (Mcf)	Avg Daily Water (bbl)	Wells	Days
08-01-2023	182	536	159	5.87	17.29	5.13	1	
09-01-2023	13,183	32,387	11,538	439	1,080	385	1	
10-01-2023	10,703	28,161	9,368	345	908	302	1	
11-01-2023	8,760	31,083	7,667	292	1,036	256	1	
12-01-2023	7,732	29,595	6,767	249	955	218	1	

CHART



HISTORY		
HISTORY		
Effective Date	Operator	Activity
09-13-2023		Well Test
08-31-2023	KIMMERIDGE TEXAS GAS, LLC	Completion
08-31-2023	KIMMERIDGE TEXAS GAS, LLC	Production
08-01-2023	KIMMERIDGE TEXAS GAS, LLC	Production
06-05-2023	KIMMERIDGE TEXAS GAS, LLC	Spud
05-26-2023	BLACKBRUSH OIL & GAS	Permit

TX MINERAL OWNERSHIP	
2023 APPRAISAL YEAR	
TX MINERAL OWNERSHIP	

Some wells may relate to a large number of ownership records. This report will show a maximum of 500 ownership records.

No mineral ownership data available for this well and year.

FILINGS	
FILINGS	



Date Received By State Agency	Filing Type	Document Type
05-26-2023	APPLICATION FOR PERMIT TO DRILL	PDF
05-26-2023	PLAT MAP	PDF
05-26-2023	PLAT MAP	PDF
05-26-2023	PLAT MAP	PDF
05-26-2023	PLAT MAP	PDF
05-27-2023	DIRECTIONAL SURVEY	PDF
11-15-2023	APPLICATION FOR PERMIT TO DRILL	PDF
11-21-2023	COMPLETION REPORT	PDF
11-21-2023	DIRECTIONAL SURVEY	PDF
11-21-2023	DIRECTIONAL SURVEY	PDF
11-21-2023	GROUNDWATER ADVISORY UNIT	PDF
11-21-2023	L 1 ELECTRIC LOG STATUS REPORT	PDF
11-21-2023	OTHER	PDF
11-21-2023	OTHER	PDF
11-21-2023	OTHER	PDF
11-21-2023	OTHER	PDF
11-21-2023	OTHER	PDF
11-21-2023	P 12 CERTIFICATE OF POOLING AUTHORITY	PDF
11-21-2023	P 16 ACREAGE DESIGNATION	PDF
11-21-2023	P 4 CERT OF COMPLIANCE & TRANSPORTATION AUTHORITY	PDF
11-21-2023	PLAT MAP	TIF
11-21-2023	SWR 13 LETTER	PDF
11-21-2023	W 15 CEMENTING REPORT	PDF