

CRFO-001
10/87

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
RECORDS RETENTION DEPARTMENT
REQUEST FOR RECORDS

R- 4323

ORDER
TAKEN
BY
DATE 2/13/09

DEPARTMENT	OIL & GAS DIV	REQUESTED FOR	COMPLAINT 04-203
SECTION	FIELD OPS DIST 4	REQUESTED BY	GLEN MONETTE
DATE NEEDED BY		PHONE OR EXT	(361) 242-3113
TYPE OF RECORDS	FORMS 1, 2, 3, 4		WELL RECORDS
	W-3A / W-3		& PLUGGING RECORDS

DIST.	COUNTY	OIL	GAS	DRY
04	BROOKS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		LSE #	I.D. #	
		04257		

OPERATOR	HUMBLE OIL & REFG. (EXXON)	OPER #	
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LEASE	McGill Bros.	WELL #	#2
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FIELD	KELSEY K-11
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LOCATION (Sec. Bk. Survey, Abstract #)	LA Blanca Grant	DATE	PA 9/1/71
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API	PERMIT #	T.D.
42 - - UNK	UNK	4733'

DIST.	COUNTY	OIL	GAS	DRY
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		LSE #	I.D. #	

OPERATOR		OPER #	
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LEASE		WELL #	
-------	--	--------	--

FIELD	
-------	--

LOCATION (Sec. Bk. Survey, Abstract #)		DATE	
--	--	------	--

API	PERMIT #	T.D.
42 - -		

DIST.	COUNTY	OIL	GAS	DRY
	Total time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		LSE #	I.D. #	

OPERATOR	2 hrs 15 minutes	OPER #	
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LEASE		WELL #	
-------	--	--------	--

FIELD	
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LOCATION (Sec. Bk. Survey, Abstract #)		DATE	
--	--	------	--

API	PERMIT #	T.D.
42 - -		

REQ. WORKED BY: SEB DATE STARTED 2/13/09 Completed by RMC 11-18-09

02-17-09 3:30-4:00 2-18-09 11:30-12:00 3:00-3:45 3:30-4:00

(30) (45) (30)

FORM 1
RAILROAD COMMISSION OF TEXAS—OIL AND GAS DIVISION
Austin, Texas

1938

IMPORTANT NOTICE: This is the first record the RAILROAD COMMISSION has of any well. It is made the basis of all subsequent correspondence. Hence it must be correct.

NOTICE OF INTENTION TO DRILL WELL
(USE FORM 2-A FOR NOTICE OF INTENTION TO PLUG)

(To comply with Rules of the Railroad Commission of Texas governing Oil and Gas Conservation in Texas.)

READ CAREFULLY AND
COMPLY FULLY

In order that it may be ascertained whether or not the proposed location covered by this notice conforms to the applicable spacing regulations set down by the Railroad Commission, there are two important footages that must be shown; that is, THE NEAREST DISTANCE OF PROPOSED LOCATION FROM LEASE OR PROPERTY LINE AND DISTANCE OF PROPOSED LOCATION FROM THE NEAREST WELL ON THE SAME LEASE. Do not begin operation on any location before filing Form 1, and do not begin operations on any location not conforming to the spacing rules for such location until you receive written order from the Commission granting permission.

For the purpose of this determination draw on the back side hereof a neat, accurate sketch, made to scale, of this lease, block, or lot locating thereon the proposed site for this location with reference to the two nearest lease lines. Also show the nearest wells on all sides of this location and the distances from the proposed location to these wells. Give names and addresses of adjoining lease or property owners, and designate all property by lease and company name. You may attach a blue print showing this information if you so desire.

DO NOT CONFUSE SURVEY LINES WITH LEASE LINES. IF THE SKETCH OR BLUE PRINT SHOWS ONLY A SECTION, BLOCK, OR LOT OUT OF YOUR LEASE, DESIGNATE NAME AS BEING ONLY THAT PART OF THE LEASE.

Where the size of the tract will permit, use scale of one inch equalling 400 feet; if less than 2 acres use scale of one inch equalling 100 feet. DESIGNATE SCALE TO WHICH PLAN OR SKETCH IS DRAWN. ALSO DESIGNATE NORTHERLY DIRECTION ON THE SKETCH OR PLAN.

FILL IN BELOW IN THE SPACES RESERVED FOR THIS PURPOSE THE FOOTAGES ASKED FOR:

Nearest distance from proposed location to property or lease line 5131 feet.

Distance from proposed location to nearest drilling, completed, or applied for well on same lease 1856 feet.

DRAW SKETCH ABOVE REFERRED TO ON REVERSE SIDE HEREOF OR ATTACH TO THIS NOTICE A BLUE PRINT SHOWING THIS INFORMATION.

This notice must be delivered to Deputy Supervisor of your district before drilling, or deepening. He will forward to the Railroad Commission, Austin, Texas.

Date December 15, 1938

Name of company or operator

Name Humble Oil & Refining Company

Address Box 711

City Corpus Christi, Texas

Description of farm or lease:

Name (See owner) McGill Brothers

Number of Acres 38.544 Well No. 2

Survey Ignacio Rivas "La Blanca" Grant

Section No. _____ Block No. _____

Located in Kelsey Brooks County

7 Miles SE direction from Agua Deseva, Texas nearest postoffice or town.

Rotary or Cable Tools Rotary

Date work will start drilling _____ Approximately

Depth to which you propose to drill 5500 feet.

Date work will start deepening _____

If Lease Purchased or more wells drilled From Whom Purchased _____

Name _____

Address _____

Deliver to Deputy Supervisor in charge of district in which well is located.

"Rule 27. Spacing Rule.—(Applies to all fields in the State except where special field rules apply.) No well shall hereafter be drilled nearer than 300 feet to any other completed or drilling well on the same or adjoining lease, and no well shall be drilled nearer than 150 feet to any property line, lease line, or sub-division line; provided that the Commission in order to prevent waste or to prevent the confiscation of property will grant exceptions to permit drilling within shorter distance than above prescribed whenever the Commission shall determine that such exceptions are necessary either to prevent waste or to prevent the confiscation of property. When an exception to such rule is desired, application therefor shall be filed with the Commission fully stating the facts, which application shall be accompanied by a plat drawn to the scale of one inch equalling 400 feet, accurately showing to scale all other completed, drilling and permitted wells on said property; and accurately showing to scale all adjacent surrounding properties and wells. Such application shall be verified by some person acquainted with the facts, stating that all facts therein stated are within the knowledge of the affiant, and that the accompanying plat is accurately drawn to scale and correctly reflects all pertinent and required data. Such exception shall be granted only after at least ten days notice to all adjacent leases affected thereby has been given, and after public hearing at which all interested parties may appear and be heard, and after the Commission has determined that an exception to such rule is necessary either to prevent waste or to protect the property belonging to applicant from confiscation. All pending applications shall be amended to conform to this rule before being acted upon. Upon similar application and showing the Commission may grant exceptions to the application of this rule in fields where the production is obtained from a formation which is known to be segmented by placement of intensive salt plugs.

"In the interest of protecting life and property and for other just and reasonable causes the Commission reserves the right in particular fields to enter special orders increasing the minimum distances provided by this rule.

"No well drilled in violation of this rule without special permit obtained in the manner prescribed in said rule and no well drilled under such a special permit, which does not conform to the terms of such special permit in all respects shall be permitted to produce either oil or gas and any such well so drilled in violation of said rule or in violation of a permit granted under an exception to such rule shall be plugged."

NOTICE: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

LOCATION: 1389' North and 5131' East of Southeast Corner of the Kelsey Bass Ranch, 1856' East of well #1, Ignacio Rivas "LA BLANCA" Grant, Brooks County, Texas.



RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

RECEIVED
OCT 11 1944
OIL & GAS DIVISION
TEXAS RAILROAD COMMISSION
1909 Bldg. News

NOTICE OF INTENTION TO ~~DRILL~~ DEEPEN

IS THIS AN APPLICATION TO DRILL OR DEEPEN WELL
FILE IN DUPLICATE WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED

READ CAREFULLY AND
COMPLY FULLY

In order that it may be ascertained whether or not the proposed location covered by this notice conforms to the applicable spacing regulations set down by the Railroad Commission, there are two important footages that must be shown; that is, THE NEAREST DISTANCE OF PROPOSED LOCATION FROM LEASE OR PROPERTY LINE AND DISTANCE OF PROPOSED LOCATION FROM THE NEAREST WELL ON THE SAME LEASE. Do not begin operations on any location before filing Form 1, and do not begin operations on any location not conforming to the spacing rules for such location until you receive written order from the Commission granting permission.

For the purpose of this determination draw on the back side hereof a neat, accurate sketch, made to scale, of this lease, block, or lot locating thereon the proposed site for this location with reference to the two nearest lease lines. Also show the nearest wells on all sides of this location and the distances from the proposed location to these wells. Give names and addresses of adjoining lease or property owners, and designate all property by lease and company name. You may attach a blue print showing this information if you so desire.

DO NOT CONFUSE SURVEY LINES WITH LEASE LINES. IF THE SKETCH OR BLUE PRINT SHOWS ONLY A SECTION, BLOCK OR LOT OUT OF YOUR LEASE, DESIGNATE SAME AS BEING ONLY THAT PART OF THE LEASE.

Where the size of the tract will permit, use scale of one inch equaling 400 feet; if less than 2 acres use scale of one inch equaling 100 feet. DESIGNATE SCALE TO WHICH PLAN OR SKETCH IS DRAWN. ALSO DESIGNATE NORTHERLY DIRECTION ON THE SKETCH OR PLAN.

FILL IN BELOW IN THE SPACES RESERVED FOR THIS PURPOSE THE FOOTAGES ASKED FOR.

Nearest distance from proposed location to property or lease line 925 3151 feet.

Distance from proposed location to nearest drilling, completed, or applied for well on same lease 925 feet.

This notice must be delivered to Deputy Supervisor of your district before drilling, or deepening, five full days prior to spudding in.

Date October 12, 1944, 19

Name of company or operator

Name Humble Oil & Refining Company

Address P.O. Box 1871

City Corpus Christi, Texas

Description of farm or lease:

Name (Fee owner) McGill Brothers

Number of Acres 28,644 Well No. 1

Number of wells on lease 61

Survey Ignacio Rivas "La Hlansa" Grant

Elevation _____ Feet
(Above Sea Level)

Section No. _____ Block No. 248

Located in Kelsey Field
(If Wildcat state above)

Brooks County

9 Miles SE direction from

Santa Klara, TEXAS nearest postoffice or town.

Rotary or Cable Tools Rotary

Date work will start drilling _____

Depth to which you propose to drill 5000 feet.

Date work will start deepening 10-25-44

If Lease Purchased with one or more wells drilled From Whom Purchased?

Name _____

Address _____

Location: 1399' North and 3151' East of Southeast Corner of the Kelsey News Ranch, 1965' East of Well # 1. A Regular Location.

NOTICE: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

DRAW SKETCH AND MAKE AFFIDAVIT ON REVERSE SIDE

573
116-977

DRAW SKETCH IN SPACE BELOW OR FILE CERTIFIED LEASE PLAT
(Be sure that all required locations, footage, distances, and scales are given)

SEE BLUE PRINT ATTACHED.

NORTH

RECEIVED
OCT 18 1944
ON A OIL DIVISION
TEXAS RAILROAD COMMISSION
AUSTIN, TEXAS

Scale of Plat _____

SOUTH

I, F. H. Kelly, being first duly sworn on oath, state that I have knowledge of the facts and matter herein set forth and that the same are true and correct.

Name _____

Title Gen. Mgr. Gulf Coast

Subscribed and sworn to before me this 18th day of October 1944, at _____

D. L. W. Carr

D. L. W. Carr

Correspondence regarding this well should be addressed to:

Name Mr. H. O. Potts, Campus Christi, Texas

Notary Public

Resides _____

Address _____

SAN RAFAEL GRANITE

Number of 1952

Clare Marshall et al

G O B S F R R

501 Pct. OH

377-4 • W-1

Humble

Acetone Penn

Jim Hogg County

Star - Juntas

SANTA TERESA GRANT

Humble

Miguel J. J. Co.

Wash

Star - Juntas

Star - Juntas

Humble

E. Trevino

Star

DRAWN BY
CHECKED

CIVIL

R.R. COM
NO. 4933

E. Fresno

Sun

E. Fresno

R. R. COMM. PLAT. MC GILL BROS' LEASE
NO. 49330 - BROOKS, STARR, HIDALGO CO'S. TEX.

HUMBLE OIL & REFINING COMPANY
CIVIL ENGINEERING DEPARTMENT
CORPUS CHRISTI, TEXAS

DRAWN BY PTT
CHECKED

SCALE 1" = 100'
DATE 1-17-59
REVISED

FILE NO.
SWT-E-80

719

Magnolia

J. M. MENDIOLA

Clyde Morrison

722

Humble

W. M. Jones

Clyde Marshall

W. W. Jones

Humble Oil & Refy. Co. 49330

LA BLANCA GRANT

LA BLANCA GRANT

12

38

27

49

24

2

Acres 2,644.42

Brooks
Starr

County
County

8
f

Brooks
Starr

County
Covate

2
f

ACTIVE
CORPUS CHRISTI
APR 30 1942

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

NOTICE OF INTENTION TO DRILL OR DEEPEN

IS THIS AN APPLICATION TO DRILL OR DEEPEN DRILL ?

FILE IN DUPLICATE WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED

READ CAREFULLY AND COMPLY FULLY

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DO NOT CONFUSE SURVEY LINES WITH LEASE LINES. IF THE SKETCH OR BLUE PRINT SHOWS ONLY A SECTION, BLOCK OR LOT OUT OF YOUR LEASE, DESIGNATE SAME AS BEING ONLY THAT PART OF THE LEASE.

Where the size of the tract will permit, use scale of one inch equaling 100 feet; if less than 2 acres use scale of one inch equaling 100 feet. DESIGNATE SCALE TO WHICH PLAT OR SKETCH IS DRAWN. ALSO DESIGNATE NORTHERLY DIRECTION IN THE SKETCH OR PLAT.

FILL IN BELOW IN THE SPACES RESERVED FOR THIS PURPOSE THE FOOTAGES ASKED FOR:

Nearest distance from proposed location to property or lease line 933 feet.

Distance from proposed location to nearest drilling, completed, or applied for well on same lease 660 feet.

This notice must be delivered to Deputy Supervisor of your District before drilling, or deepening, five full days prior to spudding in.

Date April 29 1942

Name of company or operator

Name Dumble Oil & Refining Company

Address P. O. Box 1271

City Corpus Christi, Texas

Description of farm or lease:

Name (Fee owner) McGill Brothers

Number of Acres 32.127 A. Well No. 2-8

Number of wells on lease 71

Survey La Blanca Grant

Elevation _____ Feet

(Above Sea Level) Section No. _____ Block No. _____

Located in Kelsey Field (If Wildcat state above)

Brooks County

6.5 miles SE direction from

Acme News, Texas nearest postoffice or town.

Rotary or Cable Tools Rotary

Date work will start drilling _____

Depth to which you propose to drill 500 feet

Date work will start deepening _____

If Lease Purchased with one or more wells drilled From Whom Purchased?

Name _____

Address _____

LOCATION: 9329.5' North and 933' East of Southeast corner of Kelsey Bass Ranch, Kelsey District, La Blanca Grant, Brooks County, Texas, 660' Northeast of No. 58, also 660' Northwest of No. 28 and 1065' North of I-1.

REGULAR This location must be completed in the 4900 foot sand and 2-7 must be in 47' foot sand
Note: This well to be completed in the 1000' sand.

Please refer to Mr. Paul L. Hummel's letter to Dumble Oil & Refining Company, Houston, Texas, attention: Mr. S. F. Hummel, dated January 13, 1942.

NOTICE: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

DRAW SKETCH AND MAKE AFFIDAVIT ON REVERSE SIDE

DRAW SKETCH IN SPACE BELOW OR FILE CERTIFIED LEASE PLAT

(Be sure that all required locations, footage, distances, and scale are given)

BLUE PRINT ATTACHED

NORTH

Scale of Plat.....

SOUTH

RECEIVED
AUSTIN
MAY 2 1942
OIL AND GAS DIVISION

P. H. Kelly

..... being first duly sworn on oath, state that I have knowledge of the facts and matter herein set forth and that the same are true and correct.

Name

P. H. Kelly

Division Chief

Subscribed and sworn to before me this 29th day of April 1942

Otis S. Bowers

Correspondence regarding this well should be addressed to:
Name A. O. Sehling, Division Superintendent

Otis S. Bowers

Notary Public

SAN RAFAEL GRANTS

TRUCK ROAD

GRAND CANYON



NOBLE
APR 24 1942
R. G. & G. G.
NOBLE



Click, March 21

Small

Mrs. A. R. Bass

SANTA TERESA GRANT

S. E. C. Kelsey Bass Ranch

Humble

Nicolas Pena et al

Humble

Jim Hogg County

Pierres Juarez

SANTA TERESA GRANT

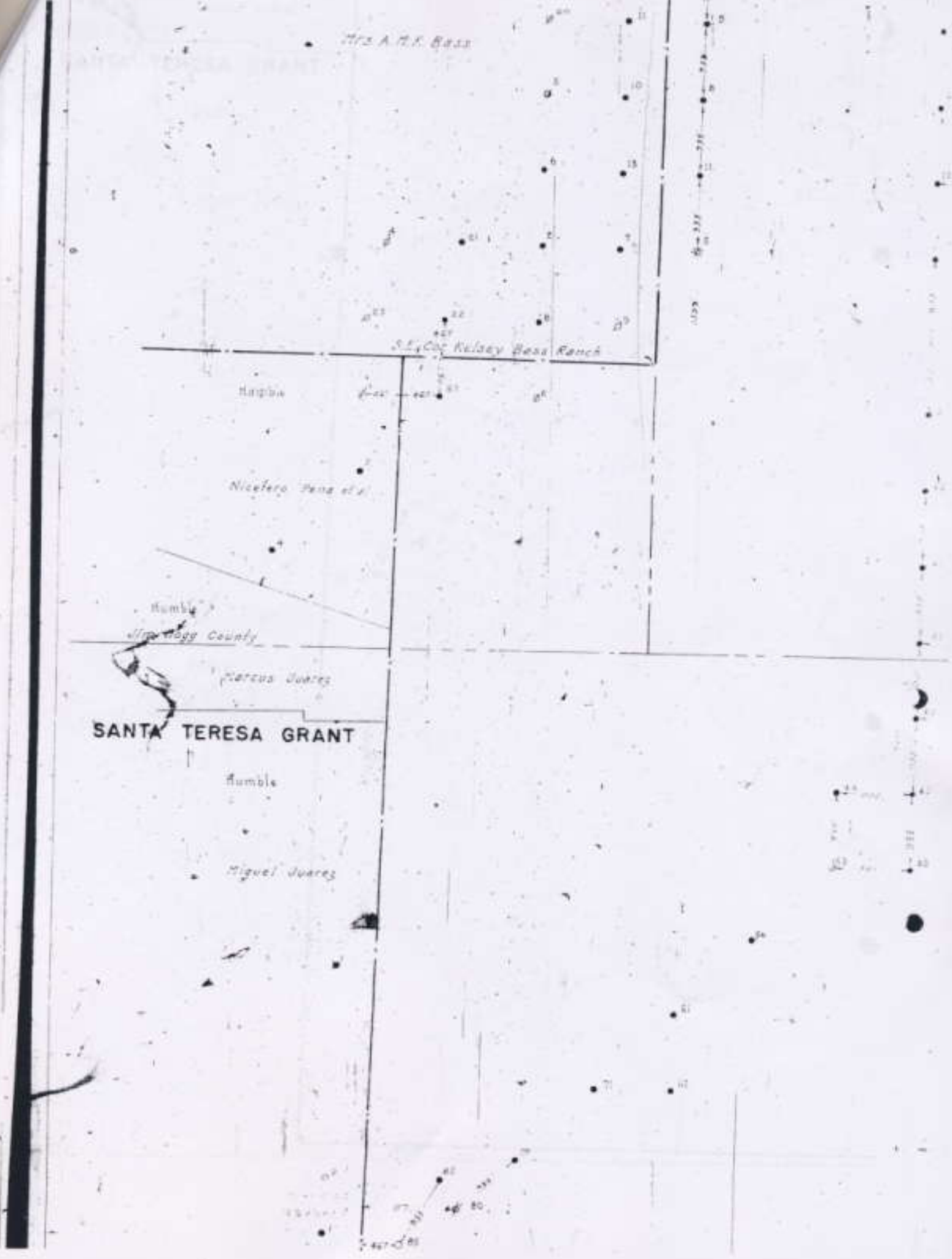
Humble

Miguel Juarez

407 25

600
500
400
300
200
100
0

100
200
300
400
500
600



Marcos Juárez

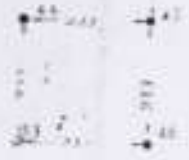
SANTA TERESA GRANT

Humbly

Miguel Juárez

Humbly

Sun



Becker County
Terra County

Becker County

Becker County
Terra County

DI

Becker County
Terra County

WELL RECORD

File with Deputy Supervisor of District in Which Well is Located

Operator Humble Oil & Refining Company Address P.O. Box 2130 - Houston, Texas
 County Brooks Survey Ignacio River Block No. _____ Sec. No. _____
 Lease McCall Brothers Well No. H Elevation 246' DE
 Commenced 10-21-28 11-21-28 12-22-28
 Completed 1-11-29 Pay 4828 Rigging 3113 Flowing
 Date From To Date Producing
 Other work ODM, 1-13-29 From To Flowing
 Correspondence regarding this well should be sent to Frank A. C. Schaefer Address Campus Christi

SIZE	PUT IN WELL		PULLED OUT		LEFT IN WELL		FACTORS AND NOTES
	Ps	In	Ps	So	Ps	In	
10 3/4	1027.50'		26	1/2"	1027.50'		guide shoe & Fl. Collar
8 1/2	4084.00'		150	1/2"	4084.00'		Bitto
2" USA	4029.75'		101	1/2"	4029.75'		
1" PA	21.50'		2	1/2"	21.50'		

Initial Production of Gas—Volume 29.5 MCF Pressure Flowing 120% - tubing 220%
 Initial Production of Oil: Barrel 22.25 daily or more through 11/64" I.D. choke
 during 24 hour test period. Gas/Oil ratio 222 - Gravity of oil 46.2 @
 Remarks _____

<p>DESCRIPTION OF PROPERTY:</p> <p style="text-align: center;">NORTH</p> <p>1300' N. and 2131' E. of SE corner of the Kelsey Bass ranch, 1200' E. of well #1, Ignacio River, Leander Grant, Brooks County, Texas.</p>	<p>GENERAL REMARKS</p> <p><u>McCall Brothers - Job #2209</u></p> <p><u>well drilled and completed with Co. rig 128.</u></p> <p><u>elevation top oferrick floor 246'</u></p> <p><u>elevation top Bradenhead 238'</u></p> <p><u>dist. top oferrick floor to top of Bradenhead 10'</u></p> <p><u>dist. 10' of rotary to top of Bradenhead 10'</u></p>
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RECEIVED
 AUSTIN
 RAILROAD COMMISSION OF TEXAS
 Oil and Gas Division
Oil and Gas Division

Orig. & 3 COI Mr. A. G. Senling
 Orig. & 2 COI Prof. Accounting Dept.
 COI J. I. Middle - Houston
 COI File

RECEIVED
 A. D. Vanhooker, District Superintendent,
 Department of Commerce
 Houston, Texas
 1918

Method of listing of water in the formation to be water completely shut off
 Amount of water with no
 per cent

FORMATION	TOP	BOTTOM	REMARKS
Surficial sand & gravel	0	40	
Sand, silt & gravel	40	2010	Testing with 10 5/8" test 1027.50'
Hard sand & silt	2010	2080	1040.50' not measured with 500 probe
Sand, silt & gravel	2080	2171	2080'
Sand & silt	2171	2204	
Hard sandy shale	2204	2252	
Hard sand	2252	2277	
Sand & sandy shale	2277	2325	
Hard sand	2325	2334	
Hard sandy shale	2334	2345	
Hard sand	2345	2352	
Hard sandy shale	2352	2362	
Sand	2362	2365	
Shale with sand	2365	2368	
Sand shale & silt	2368	2370	
Hard shale & silt	2370	2372	
Sand shale & silt	2372	2375	
Hard sand	2375	2377	
Sand shale & silt	2377	2380	
Hard sand & silt	2380	2385	
Sand shale & silt	2385	2390	
Hard sand & silt	2390	2395	
Sand shale & silt	2395	2400	
Hard sand & silt	2400	2405	
Sand shale & silt	2405	2410	
Hard sand & silt	2410	2415	
Sand shale & silt	2415	2420	
Hard sand & silt	2420	2425	
Sand shale & silt	2425	2430	
Hard sand & silt	2430	2435	
Sand shale & silt	2435	2440	
Hard sand & silt	2440	2445	
Sand shale & silt	2445	2450	
Hard sand & silt	2450	2455	
Sand shale & silt	2455	2460	
Hard sand & silt	2460	2465	
Sand shale & silt	2465	2470	
Hard sand & silt	2470	2475	
Sand shale & silt	2475	2480	
Hard sand & silt	2480	2485	
Sand shale & silt	2485	2490	
Hard sand & silt	2490	2495	
Sand shale & silt	2495	2500	
Hard sand & silt	2500	2505	
Sand shale & silt	2505	2510	
Hard sand & silt	2510	2515	
Sand shale & silt	2515	2520	
Hard sand & silt	2520	2525	
Sand shale & silt	2525	2530	
Hard sand & silt	2530	2535	
Sand shale & silt	2535	2540	
Hard sand & silt	2540	2545	
Sand shale & silt	2545	2550	
Hard sand & silt	2550	2555	
Sand shale & silt	2555	2560	
Hard sand & silt	2560	2565	
Sand shale & silt	2565	2570	
Hard sand & silt	2570	2575	
Sand shale & silt	2575	2580	
Hard sand & silt	2580	2585	
Sand shale & silt	2585	2590	
Hard sand & silt	2590	2595	
Sand shale & silt	2595	2600	
Hard sand & silt	2600	2605	
Sand shale & silt	2605	2610	
Hard sand & silt	2610	2615	
Sand shale & silt	2615	2620	
Hard sand & silt	2620	2625	
Sand shale & silt	2625	2630	
Hard sand & silt	2630	2635	
Sand shale & silt	2635	2640	
Hard sand & silt	2640	2645	
Sand shale & silt	2645	2650	
Hard sand & silt	2650	2655	
Sand shale & silt	2655	2660	
Hard sand & silt	2660	2665	
Sand shale & silt	2665	2670	
Hard sand & silt	2670	2675	
Sand shale & silt	2675	2680	
Hard sand & silt	2680	2685	
Sand shale & silt	2685	2690	
Hard sand & silt	2690	2695	
Sand shale & silt	2695	2700	
Hard sand & silt	2700	2705	
Sand shale & silt	2705	2710	
Hard sand & silt	2710	2715	
Sand shale & silt	2715	2720	
Hard sand & silt	2720	2725	
Sand shale & silt	2725	2730	
Hard sand & silt	2730	2735	
Sand shale & silt	2735	2740	
Hard sand & silt	2740	2745	
Sand shale & silt	2745	2750	
Hard sand & silt	2750	2755	
Sand shale & silt	2755	2760	
Hard sand & silt	2760	2765	
Sand shale & silt	2765	2770	
Hard sand & silt	2770	2775	
Sand shale & silt	2775	2780	
Hard sand & silt	2780	2785	
Sand shale & silt	2785	2790	
Hard sand & silt	2790	2795	
Sand shale & silt	2795	2800	
Hard sand & silt	2800	2805	
Sand shale & silt	2805	2810	
Hard sand & silt	2810	2815	
Sand shale & silt	2815	2820	
Hard sand & silt	2820	2825	
Sand shale & silt	2825	2830	
Hard sand & silt	2830	2835	
Sand shale & silt	2835	2840	
Hard sand & silt	2840	2845	
Sand shale & silt	2845	2850	
Hard sand & silt	2850	2855	
Sand shale & silt	2855	2860	
Hard sand & silt	2860	2865	
Sand shale & silt	2865	2870	
Hard sand & silt	2870	2875	
Sand shale & silt	2875	2880	
Hard sand & silt	2880	2885	
Sand shale & silt	2885	2890	
Hard sand & silt	2890	2895	
Sand shale & silt	2895	2900	
Hard sand & silt	2900	2905	
Sand shale & silt	2905	2910	
Hard sand & silt	2910	2915	
Sand shale & silt	2915	2920	
Hard sand & silt	2920	2925	
Sand shale & silt	2925	2930	
Hard sand & silt	2930	2935	
Sand shale & silt	2935	2940	
Hard sand & silt	2940	2945	
Sand shale & silt	2945	2950	
Hard sand & silt	2950	2955	
Sand shale & silt	2955	2960	
Hard sand & silt	2960	2965	
Sand shale & silt	2965	2970	
Hard sand & silt	2970	2975	
Sand shale & silt	2975	2980	
Hard sand & silt	2980	2985	
Sand shale & silt	2985	2990	
Hard sand & silt	2990	2995	
Sand shale & silt	2995	3000	
Hard sand & silt	3000	3005	
Sand shale & silt	3005	3010	
Hard sand & silt	3010	3015	
Sand shale & silt	3015	3020	
Hard sand & silt	3020	3025	
Sand shale & silt	3025	3030	
Hard sand & silt	3030	3035	
Sand shale & silt	3035	3040	
Hard sand & silt	3040	3045	
Sand shale & silt	3045	3050	
Hard sand & silt	3050	3055	
Sand shale & silt	3055	3060	
Hard sand & silt	3060	3065	
Sand shale & silt	3065	3070	
Hard sand & silt	3070	3075	
Sand shale & silt	3075	3080	
Hard sand & silt	3080	3085	
Sand shale & silt	3085	3090	
Hard sand & silt	3090	3095	
Sand shale & silt	3095	3100	
Hard sand & silt	3100	3105	
Sand shale & silt	3105	3110	
Hard sand & silt	3110	3115	
Sand shale & silt	3115	3120	
Hard sand & silt	3120	3125	
Sand shale & silt	3125	3130	
Hard sand & silt	3130	3135	
Sand shale & silt	3135	3140	
Hard sand & silt	3140	3145	
Sand shale & silt	3145	3150	
Hard sand & silt	3150	3155	
Sand shale & silt	3155	3160	
Hard sand & silt	3160	3165	
Sand shale & silt	3165	3170	
Hard sand & silt	3170	3175	
Sand shale & silt	3175	3180	
Hard sand & silt	3180	3185	
Sand shale & silt	3185	3190	
Hard sand & silt	3190	3195	
Sand shale & silt	3195	3200	
Hard sand & silt	3200	3205	
Sand shale & silt	3205	3210	
Hard sand & silt	3210	3215	
Sand shale & silt	3215	3220	
Hard sand & silt	3220	3225	
Sand shale & silt	3225	3230	
Hard sand & silt	3230	3235	
Sand shale & silt	3235	3240	
Hard sand & silt	3240	3245	
Sand shale & silt	3245	3250	
Hard sand & silt	3250	3255	
Sand shale & silt	3255	3260	
Hard sand & silt	3260	3265	
Sand shale & silt	3265	3270	
Hard sand & silt	3270	3275	
Sand shale & silt	3275	3280	
Hard sand & silt	3280	3285	
Sand shale & silt	3285	3290	
Hard sand & silt	3290	3295	
Sand shale & silt	3295	3300	
Hard sand & silt	3300	3305	
Sand shale & silt	3305	3310	
Hard sand & silt	3310	3315	
Sand shale & silt	3315	3320	
Hard sand & silt	3320	3325	
Sand shale & silt	3325	3330	
Hard sand & silt	3330	3335	
Sand shale & silt	3335	3340	
Hard sand & silt	3340	3345	
Sand shale & silt	3345	3350	
Hard sand & silt	3350	3355	
Sand shale & silt	3355	3360	
Hard sand & silt	3360	3365	
Sand shale & silt	3365	3370	
Hard sand & silt	3370	3375	
Sand shale & silt	3375	3380	
Hard sand & silt	3380	3385	
Sand shale & silt	3385	3390	
Hard sand & silt	3390	3395	
Sand shale & silt	3395	3400	
Hard sand & silt	3400	3405	
Sand shale & silt	3405	3410	
Hard sand & silt	3410	3415	
Sand shale & silt	3415	3420	
Hard sand & silt	3420	3425	
Sand shale & silt	3425	3430	
Hard sand & silt	3430	3435	
Sand shale & silt	3435	3440	
Hard sand & silt	3440	3445	
Sand shale & silt	3445	3450	
Hard sand & silt	3450	3455	
Sand shale & silt	3455	3460	
Hard sand & silt	3460	3465	
Sand shale & silt	3465	3470	
Hard sand & silt	3470	3475	
Sand shale & silt	3475	3480	
Hard sand & silt	3480	3485	
Sand shale & silt	3485	3490	
Hard sand & silt	3490	3495	
Sand shale & silt	3495	3500	
Hard sand & silt	3500	3505	
Sand shale & silt	3505	3510	
Hard sand & silt	3510	3515	
Sand shale & silt	3515	3520	
Hard sand & silt	3520	3525	
Sand shale & silt	3525	3530	
Hard sand & silt	3530	3535	
Sand shale & silt	3535	3540	
Hard sand & silt	3540	3545	
Sand shale & silt	3545	3550	
Hard sand & silt	3550	3555	
Sand shale & silt	3555	3560	
Hard sand & silt	3560	3565	
Sand shale & silt	3565	3570	
Hard sand & silt	3570	3575	
Sand shale & silt	3575	3580	
Hard sand & silt	3580	3585	
Sand shale & silt	3585	3590	
Hard sand & silt	3590	3595	
Sand shale & silt	3595	3600	
Hard sand & silt	3600	3605	
Sand shale & silt	3605	3610	
Hard sand & silt	3610	3615	
Sand shale & silt	3615	3620	
Hard sand & silt	3620	3625	
Sand shale & silt	3625	3630	
Hard sand & silt	3630	3635	
Sand shale & silt			