

State of Louisiana

DEPARTMENT OF CONSERVATION

Inter Office

Date: 1/30/70

131917

To: Baton Rouge Office

From: Lake Charles District

Att'n: Fritz Spencer

Enclosed herewith please find application from W. C. Pickens  
\_\_\_\_\_ drill  
\_\_\_\_\_ for permit to directional / their \_\_\_\_\_

Noble-Kirkwood Unit Well No. 1 Zone: Cib. Haz. 12

Gillis-English Bayou Field, Calcasieu Parish.

Also enclosed please find:

Check No. \_\_\_\_\_ in the amount of \$ 25.00

Well Location Plat \_\_\_\_\_ xxx

Well Location Certification \_\_\_\_\_ xxx

Form A. D. C. \_\_\_\_\_

Electric Log \_\_\_\_\_

Schematic Diagram \_\_\_\_\_

29 B better  
29 H Unit

Applicable Department of Conservation Order No. 29-B & 29-H Pending Hearing  
Docket No. \_\_\_\_\_

Remarks & Recommendations:

Recommend approval. The bottom hole location is less than 400' from a lease line but the operator is aware of the fact that a unit will be required if the well is successful. This requirement should be placed on the amended permit.

Yours very truly,

By: William Wilhite  
District Manager  
W. C. WILHITE

cc: Geological Survey  
WCW:JT  
LT-1

W. C. Pickens  
800 Preston Bank Building  
Dallas, Texas

January 30, 1970

Mr. W. C. Wilhite  
State Of Louisiana  
Department of Conservation  
P. O. Box 1767  
Lake Charles, Louisiana 70601

RE: Noble Kirkwood Unit No. 1  
Gillis-English Bayou Field  
Section 5-9S-7W  
Calcasieu Parish, Louisiana

Dear Mr. Wilhite:

Enclosed in duplicate for referenced well location are copies of "Application for Amended Permit to drill for Minerals", and Location Plat, showing surface location and proposed bottom hole location. Also enclosed is Troy A. Freund's check in the amount of \$25.00 to cover Amended Permit fee.

Well was originally drilled as Noble No. 1 by W. C. Pickens to total depth of 9075 in search of Cib Haz No. 12 sand. The expected pay sand was not present.

The well is now to be plugged back and directionally re-drilled to southwest in search of productive sand. Planned bottom hole location will be in accord with Department order No. 29-H, with minimum distance of 1000 feet from nearest well producing from same reservoir, and minimum distance of 400 feet from drilling unit boundary.

Upon successful completion of this well, an acceptable production unit will be formed.

Very truly yours,



W. C. Pickens

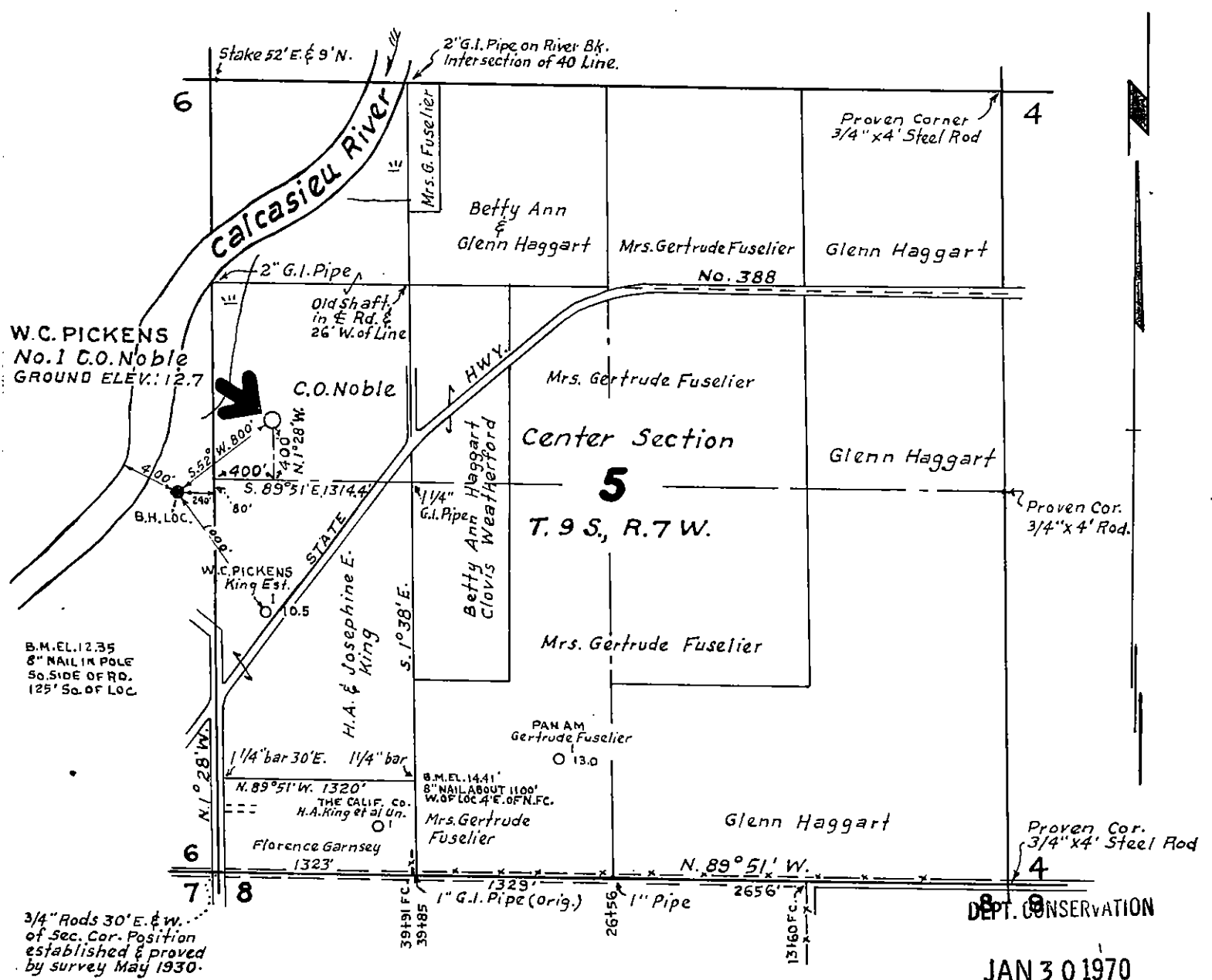
H. L. Peel

WCP/msi

DEPT. CONSERVATION

JAN 30 1970

LAKE CHARLES



**WELL LOCATION: W.C. PICKENS - Noble - Kirkwood Unit No.1**

DEPT. CONSERVATION  
 JAN 30 1970  
 LAKE CHARLES

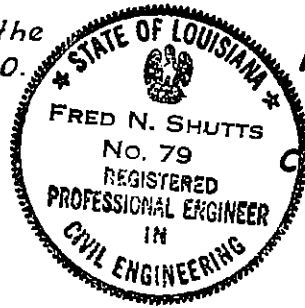
Beginning at the Southwest corner of the Northwest Quarter of Section 5, T.9 S., R.7 W., thence South 80 feet, thence West 240 feet to Bottom Hole Loc. being in Section 6. Ground Elevation: 12.7'

**W. C. PICKENS  
 WELL LOCATION  
 EAST GILLIS AREA**

We hereby certify that we staked the above Well Location January 9, 1970. F. Shutts' Sons - Civil Engineers.

**IN SW 1/4 OF SECTION 5  
 T. 9 S., R. 7 W.  
 CALCASIEU PARISH, LOUISIANA**

*Fred N. Shutts*  
 FRED N. SHUTTS, C.E. LA. REG. NO. 79



SCALE: 1" = 1000' JANUARY 9, 1970  
 F. SHUTTS' SONS REV. JAN. 15, 1970  
 CIVIL ENGINEERS REV. JAN. 30, 1970  
 LAKE CHARLES, LA.

February 5, 1970

Re: Calcasieu  
Gillis-English Bayou  
Kirkwood Well #1  
Serial #131917

W. C. Pickens  
800 Preston Bank Building  
Dallas, Texas

Dear Mr. Pickens:

The above application for "Amended Permit to Drill" is being issued with the understanding that you will furnish the appropriate District Manager with Inclination and/or Directional Survey data as proof that the well will be completed in compliance with the provisions of the Statewide Order No. 29-B, Section XVIII, dated March 1, 1967, before an allowable will be assigned said well.

In addition, this well cannot be completed in any pool in which the location does not conform with the provisions of the Statewide Order No. 29-H.

Very truly yours,

J. M. MENEFEE, COMMISSIONER  
DEPARTMENT OF CONSERVATION

BY \_\_\_\_\_

J. W. Hecker  
Assistant Chief Engineer

cc: Mr. William C. Wilhite, District Manager  
Department of Conservation  
Lake Charles, Louisiana

ELS/rm

WELL FILE COPY

STATE OF LOUISIANA  
DEPT. OF CONSERVATION

## PERMIT TO DRILL FOR MINERALS

PERMIT .....\$100.00  
Multiple Zone Processing

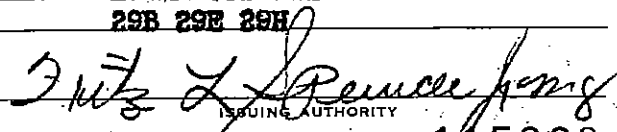
ATT  
 Send To: LC 22 Date: 1/20/70  
 Serial No.: Ser. #131917 APD #1701920266  
 Parish: CALCASIEU Field: GILLIS-ENGLISH BAYOU  
 Operator: W. C. PICKENS  
 Address: 800 PRESTON BANK BLDG  
 City & State: DALLAS, TEXAS 75225  
 Well Name: NOBLE NO. 1  
 Location: SEC 5, T9S R7W  
400' FWL 2250' FNL SEC 5

Zone or Reservoir of Proposed Completion  
 Applicable Department of Conservation Order

P. T. D. 9000'  
LOWER CIB HAZ  
29B 29E 29H

COMMISSIONER

ISSUING AUTHORITY

  
 115833

State of Louisiana  
DEPARTMENT OF CONSERVATION

Inter Office

Date: 1/19/70

To: Baton Rouge Office

From: Lake Charles District

Att'n: Fritz Spencer

Enclosed herewith please find application from W. C. Pickens

for permit to drill their

Noble Well No. 1

Zone: L. Cib. Haz.

Gillis-English Bayou

Field;

Calcasieu

Parish .

Also enclosed please find:

Check No. 7668 in the amount of \$ 100.00

Well Location Plat xxx

Well Location Certification xxx

Form A. D. C. \_\_\_\_\_

Electric Log \_\_\_\_\_

Schematic Diagram \_\_\_\_\_

Applicable Department of Conservation Order No. 29-B & E Pending Hearing \_\_\_\_\_  
Docket No. \_\_\_\_\_

Remarks & Recommendations:

Recommend approval specifying compliance with the amended directional drilling provisions of order 29-B. This operator's #1 King Estate well drilled under permit bearing serial #130198, was permitted as a wildcat. This classification has been discussed with Geol. Survey and the well will be reclassified and placed in the Gillis-English Bayou Field. This development comes under 29-H and at a conference in Baton Rouge this location was approved with the understanding that development would be on a 40 acre spacing program and a hearing would be called to create units as soon as the Noble #1 well was completed.

Yours very truly,

By:

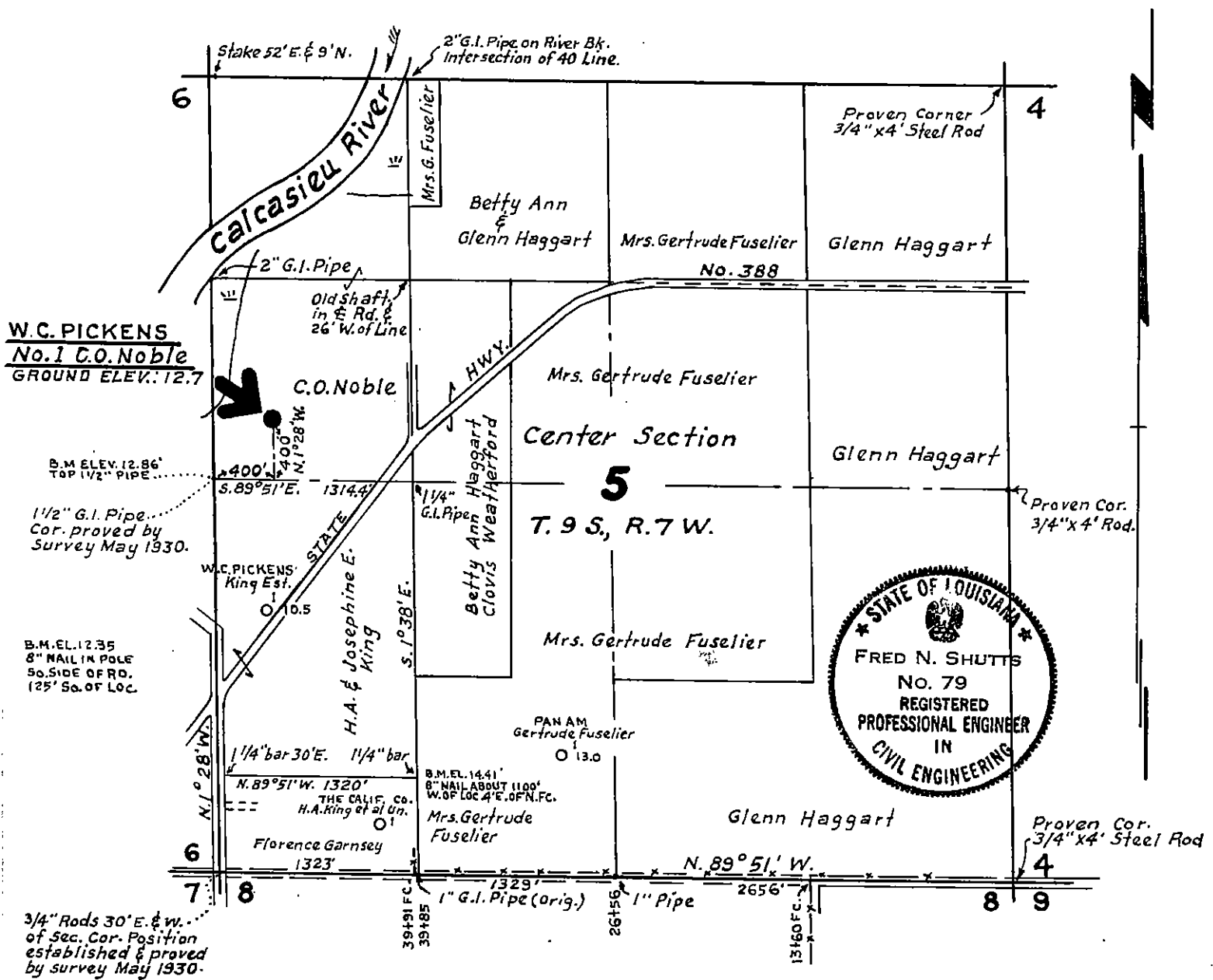
District Manager  
W. C. WILHITE

cc: Geological Survey

WCW:jt

LT-1

W-17



**WELL LOCATION: W.C. PICKENS - No. 1, C.O. Noble**

Beginning at the Southwest corner of the Northwest Quarter of Section 5, T. 9 S., R. 7 W., thence S. 89° 51' E. 400 feet, thence N. 1° 28' W. 400 feet to Location. Ground Elevation: 12.7'

We hereby certify that we staked the above Well Location January 9, 1970. F. Shutts' Sons - Civil Engineers.

**W. C. PICKENS  
WELL LOCATION  
EAST GILLIS AREA**

DEPT. CONSERVATION  
IN SW 1/4 OF SECTION 5  
T. 9 S., R. 7 W.

JAN 19 1970 CALCASIEU PARISH, LOUISIANA

SCALE: 1" = 1000' JANUARY 9, 1970  
LAKE CHARLES F. SHUTTS' SONS REV. JAN. 15, 1970  
CIVIL ENGINEERS LAKE CHARLES, LA.

*Fred N. Shutts*  
FRED N. SHUTTS, C.E. LA. REG. NO. 79

State of Louisiana



J. M. MENEFEE  
COMMISSIONER

DEPARTMENT OF CONSERVATION  
P. O. BOX 44275 - CAPITOL STATION  
BATON ROUGE 70804

January 20, 1970

RE: NOBLE NO 1  
GILLIS-ENGLISH BAYOU FIELD  
CALCASIEU PARISH  
SERIAL NUMBER 131917

W. C. Pickens  
800 Preston Bank Bldg  
Dallas Texas

Gentlemen:

We are issuing "Permit to Drill" for the above referenced well with the understanding that completion cannot be in any pool in which the location does not conform with the provisions of Statewide Order No 29-H.

No allowable will be assigned this well unless in compliance with the above provisions.

Very truly yours,

J. M. MENEFEE, Commissioner  
DEPARTMENT OF CONSERVATION

BY: \_\_\_\_\_  
J. W. HECKER  
Assistant Chief Engineer

FS/mg  
cc: Mr. W.C. Wilhite  
District Manager  
29-H-L

# DIRECTIONAL DRILLING REPORT

DATE Feb. 4, 1970

COMPANY W. C. PICKENS

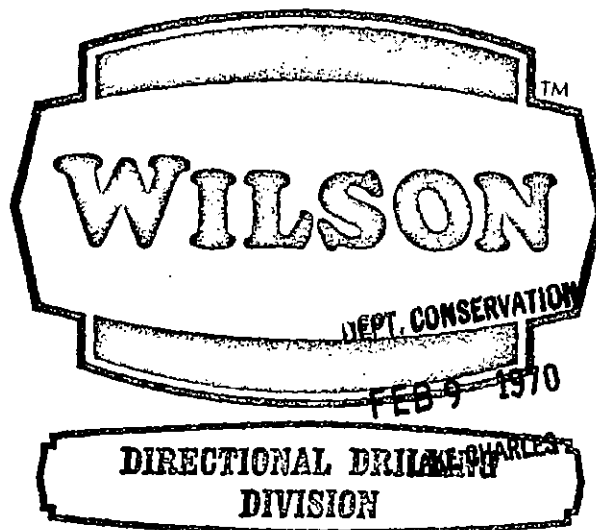
WELL Nobel No. 1

*Billis*  
LOCATION English Bayou Field

Calcasieu Parish, Louisiana

*Aerial #131917*

MAGNETIC DECLINATION 7°



## DIRECTIONAL DRILLING CALCULATIONS

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST

ASSUMED VERTICAL TO 1962.

1962		.00		1962.00				.00		.00
2004	42	.45	42.00	2004.00	.55	S 1E		.55	.01	
2098	94	1.00	93.99	2097.99	1.64	S89W		.58		1.63
2192	94	.15	94.00	2191.99	.41	S 7E		.99		1.58
2286	94	.15	94.00	2285.99	.41	S16E		1.38		1.47
2380	94	.30	94.00	2379.99	.82	S24E		2.13		1.14
2474	94	.45	93.99	2473.98	1.23	N83W		1.98		2.36
2568	94	.30	94.00	2567.98	.82	N86E		1.92		1.54
2662	94	.30	94.00	2661.98	.82	S 1E		2.74		1.53
2756	94	.45	93.99	2755.97	1.23	S55W		3.45		2.54
2850	94	.45	93.99	2849.96	1.23	S 6E		4.67		2.41
2944	94	.30	94.00	2943.96	.82	S64E		5.03		1.67
3038	94	.45	93.99	3037.95	1.23	S73E		5.39		.49
3132	94	.45	93.99	3131.94	1.23	S83E		5.54	.73	
3226	94	1.15	93.98	3225.92	2.05	S79E		5.93	2.74	

## DIRECTIONAL DRILLING CALCULATIONS

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIFU PARISH STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
3320	94	1.30	93.97	3319.89	2.46	N81E		5.55	5.17	
3414	94	.15	94.00	3413.89	.41	N63E		5.36	5.54	
3508	94	.00	94.00	3507.89	.00	N W		5.36	5.54	
3602	94	.00	94.00	3601.89	.00	N W		5.36	5.54	
3696	94	.15	94.00	3695.89	.41	N17W		4.97	5.42	
3790	94	.45	93.99	3789.88	1.23	N37E		3.99	6.16	
3884	94	.30	94.00	3883.88	.82	N53E		3.50	6.81	
3978	94	.45	93.99	3977.87	1.23	N52E		2.74	7.78	
4072	94	1.00	93.99	4071.86	1.64	N69E		2.15	9.31	
4166	94	1.15	93.98	4165.84	2.05	N60E		1.12	11.09	
4260	94	.30	94.00	4259.84	.82	N72E		.87	11.87	
4354	94	1.00	93.99	4353.83	1.64	N79E		.56	13.48	
4448	94	1.15	93.98	4447.81	2.05	N12E	1.45		13.91	
4542	94	1.15	93.98	4541.79	2.05	N39E	3.04		15.20	
4636	94	1.00	93.99	4635.78	1.64	N77E	3.41		16.80	
4730	94	.30	94.00	4729.78	.82	S67E	3.09		17.55	

## DIRECTIONAL DRILLING CALCULATIONS

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES		
			COURSE	TOTAL			NORTH	SOUTH	EAST
4824	94	1.00	93.99	4823.77	1.64	S28E	1.64		18.32
4918	94	1.30	93.97	4917.74	2.46	S 5E		.81	18.53
5012	94	1.30	93.97	5011.71	2.46	S11E		3.22	19.00
5106	94	2.00	93.94	5105.65	3.28	S11E		6.44	19.63
5200	94	1.30	93.97	5199.62	2.46	S20E		8.75	20.47
5294	94	2.00	93.94	5293.56	3.28	S23E		11.77	21.75
5388	94	1.30	93.97	5387.53	2.46	S28E		13.94	22.90
5482	94	2.00	93.94	5481.47	3.28	S 3E		17.22	23.07
5576	94	1.30	93.97	5575.44	2.46	S 7W		19.66	22.77
5670	94	1.00	93.99	5669.43	1.64	S15E		21.24	23.19
5764	94	1.00	93.99	5763.42	1.64	S61E		22.04	24.62
5858	94	1.00	93.99	5857.41	1.64	S70E		22.60	26.16
5952	94	.30	94.00	5951.41	.82	S61E		23.00	26.88
6046	94	1.30	93.97	6045.38	2.46	S67E		23.96	29.14
6140	94	1.30	93.97	6139.35	2.46	S31E		26.07	30.41
6234	94	.30	94.00	6233.35	.82	S80E		26.21	31.22

## DIRECTIONAL DRILLING CALCULATIONS

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH    STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
6328	94	.30	94.00	6327.35	.82	S35E		26.88	31.69	
6422	94	.30	94.00	6421.35	.82	S72E		27.13	32.47	
6516	94	1.15	93.98	6515.33	2.05	S55E		28.31	34.15	
6610	94	1.15	93.98	6609.31	2.05	S14E		30.30	34.65	
6704	94	.15	94.00	6703.31	.41	S33E		30.64	34.87	
6798	94	.30	94.00	6797.31	.82	S59E		31.06	35.57	
6892	94	.15	94.00	6891.31	.41	S75W		31.17	35.17	
6986	94	.15	94.00	6985.31	.41	S82W		31.23	34.76	
7080	94	.30	94.00	7079.31	.82	S34E		31.91	35.22	
7174	94	.30	94.00	7173.31	.82	S24E		32.66	35.55	
7268	94	.30	94.00	7267.31	.82	S24E		33.41	35.88	
7362	94	1.00	93.99	7361.30	1.64	S33E		34.79	36.77	
7456	94	1.15	93.98	7455.28	2.05	S43E		36.29	38.17	
7550	94	1.30	93.97	7549.25	2.46	S37E		38.25	39.65	
7644	94	1.45	93.96	7643.21	2.87	S34E		40.63	41.25	
7738	94	2.00	93.94	7737.15	3.28	S31E		43.44	42.94	

#131917

W I L S O N I N D U S T R I E S I N C

DATE 2/04/70

DIRECTIONAL DRILLING CALCULATIONS

PAGE 5

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
7832	94	2.30	93.91	7831.06	4.10	S10E		47.48	43.65	
7926	94	1.45	93.96	7925.02	2.87	S E		47.48	43.65	
8020	94	1.15	93.98	8019.00	2.05	S40E		49.05	44.97	
8114	94	1.30	93.97	8112.97	2.46	S42E		50.88	46.62	
8208	94	1.30	93.97	8206.94	2.46	S42E		52.71	48.27	
8302	94	2.00	93.94	8300.88	3.28	S43E		55.11	50.51	
8396	94	1.15	93.98	8394.86	2.05	S24E		56.98	51.34	
8490	94	1.45	93.96	8488.82	2.87	S31E		59.44	52.82	
8584	94	.45	93.99	8582.81	1.23	S 4E		60.67	52.91	
8678	94	1.30	93.97	8676.78	2.46	S30W		62.80	51.68	
8772	94	1.45	93.96	8770.74	2.87	S22W		65.46	50.60	
8866	94	1.45	93.96	8864.70	2.87	S32W		67.89	49.08	
8960	94	1.30	93.97	8958.67	2.46	S35W		69.91	47.67	
9054	94	1.30	93.97	9052.64	2.46	S 2E		72.37	47.76	
9075	21	1.30	20.99	9073.63	.55	S 2E		72.92	47.78	

BOTTOM HOLE CLOSURE, 87.17 FEET AT S 33 14 E

Lake Charles

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATIONAmend Well Name and  
Location

Amended Permit..... \$25.00

## AMENDED PERMIT TO DRILL FOR MINERALS

SERIAL NO.: 131917 BATON ROUGE, LA., Feb. 5, 1970  
PARISH: Calcasieu FIELD: Gillis-English BayouOPERATOR: W. C. Pickens  
ADDRESS: 800 Preston Bank Bldg.  
Dallas, TexasWELL NAME: Kirkwood # NO.: 1LOCATION OF WELL: Sec. 5 T 9S R 7WBeginning at the Southwest Corner of the Northwest Quarter of  
Sec. 5, thence South 80' thence west 240' to Bottom Hole Location being  
in Section 6. Ground Elevation: 12.7 \* Fmly: Noble

Zone or Reservoir of proposed completion: \_\_\_\_\_

Applicable Department of Conservation Order: 29-H 29B  
Commissioner  
Issuing Authority



DEPARTMENT OF CONSERVATION

WELL HISTORY AND WORK RESUME REPORT

FIELD

Gillis/English Bayou

SERIAL NO.

131917

PRODUCING INTERVAL

8811-8817<sup>1</sup>

RESERVOIR (COMPANY SAND IDENTIFICATION)

Cib Haz No. 12 Sand

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located within twenty (20) days of the date of completion: NOTE: If not properly completed and signed this report will be returned.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL  RECOMPLETION  SAME RESERVOIR  DIFFERENT RESERVOIR  OIL  GAS  P & A

OPERATOR  
W. C. PICKENS

ADDRESS 800 Preston Bank Building  
Dallas, Texas 75225

LEASE NAME

KIRKWOOD

WELL NO.

1

PARISH

CALCASIEU

SEC. 5 TWP. 9S RGE. 7W

DATE PERMIT ISSUED

Amended 2/5/70

DATE SPUDDED

Amended  
2/5/70

DATE READY TO PRODUCE\*

2/20/70

TOTAL DEPTH

8947'

PBTD.

8878'

GROUND ELEVATION

12.7'

CASING HEAD FLANGE ELEVATION

13.6'

DISTANCE FROM RKB TO CHF

17.40'

DATE WELL TURNED INTO TANKS

Building Tank Battery

SINGLE, DUAL OR TRIPLE COMPLETION?

Single

NOTE: IF THIS IS A MULTIPLE COMPLETION, FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED?

Yes

WAS DIRECTIONAL SURVEY MADE?

Yes

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?

Yes

DATE FILED

with this report

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH DEPT. OF CONSERVATION)

(IES)

GR

DATE FILED

with this report

CASING, LINER AND TUBING RECORD

CASING SIZE	HOLE SIZE	CASING WEIGHT	DEPTH SET	SACKS CEMENT	TEST PRESSURE	HOURS UNDER PRESSURE	DATE TESTED	NAME OF TEST WITNESS-STATE IF DEPT. AGENT OR OFFSET OPERATOR
9-5/8"	12-1/4"	36#	1961'	610	1000 psi	8	1/23/70	Frank Williams-Toolpusher
4-1/2"	8-3/4"	11.6#	8947'	450	1200 psi	12	2/19/70	J.B. Lyons, Jr. - Toolpusher

TUBING SIZE: 2-3/8" EUE

DEPTH OF TUBING: 8688'

DEPTH OF PACKER(S): 8652'

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION 145	GAS VOLUME 112.37	CHOKESIZE 7/64"	WELL STATUS flowing
TUBING PRESSURE 1350 psig	CASING PRESSURE Packer psig	GOR 775/1	BS & W P.L. Oil %
GRAVITY 35	CONSERVATION AGENT MAKING GAUGE	COMPANY REPRESENTATIVE J. C. Young	BHP - (SHUT-IN) Not recorded psi
*API@60°F		DATE GAUGED 2/20/70	

PLUG AND ABANDON (P&A) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS				DATE WORK PERFORMED	NAME OF TEST WITNESS-STATE IF DEPT. AGENT OR OFFSET OPERATOR
		FROM	TO	SACKS	HOW PLACED		

CERTIFICATE: I, the undersigned, state: That I am employed by W. C. PICKENS and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge.

Form WH

Signature:

*H. L. Peel*

H. L. Peel

Title: Production Supt.

DEPT. CONSERVATION

\* Date well is equipped to produce, but due to no available market, no pipe line connection, etc.; the well has been shut-in.

FEB 26 1970

LAKE CHARLES

WORK RESUME

List below all work performed under Department of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
.C.	2/20/70	McCullough	Perforated casing 8811-8817' for production test.

RECEIVED DIRECTOR  
 DIVISION OF CONSERVATION  
 5 19 70

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt tops and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
Marginulina	6965'		
Camerina	7990'		
Cib Haz	8765'		

# DIRECTIONAL DRILLING REPORT

DATE February 18, 1970

COMPANY W. C. PICKENS

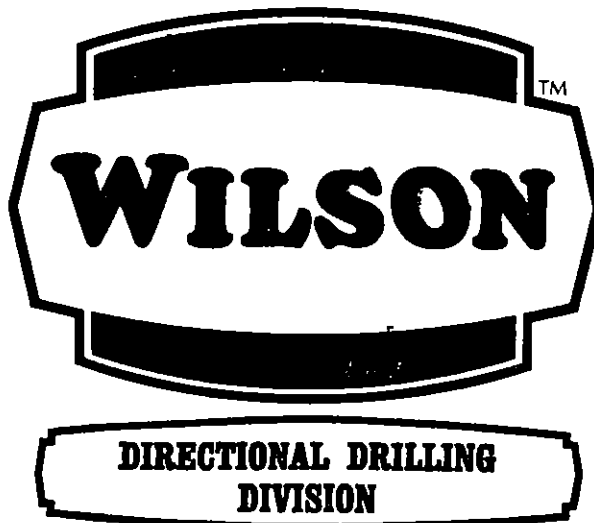
WELL NOBEL - KIRKWOOD # 1

LOCATION ENGLISH BAYOU

CALCASIEU PARISH, LOUISIANA

Serial # 131917

MAGNETIC DECLINATION 77°



DEPT. CONSERVATION  
FEB 26 1970  
LAKE CHARLES

## DIRECTIONAL DRILLING CALCULATIONS

PAGE 1

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH    STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
ASSUMED VERTICAL TO 1962.										
1962		.00		1962.00				.00		.00
2004	42	.45	42.00	2004.00	.55	S 1E		.55	.01	
2098	94	1.00	93.99	2097.99	1.64	S89W		.58		1.63
2192	94	.15	94.00	2191.99	.41	S 7E		.99		1.58
2286	94	.15	94.00	2285.99	.41	S16E		1.38		1.47
2380	94	.30	94.00	2379.99	.82	S24E		2.13		1.14
2474	94	.45	93.99	2473.98	1.23	N83W		1.98		2.36
2568	94	.30	94.00	2567.98	.82	N86E		1.92		1.54
2662	94	.30	94.00	2661.98	.82	S 1E		2.74		1.53
2756	94	.45	93.99	2755.97	1.23	S55W		3.45		2.54
2850	94	.45	93.99	2849.96	1.23	S 6E		4.67		2.41
2944	94	.30	94.00	2943.96	.82	S64E		5.03		1.67
3038	94	.45	93.99	3037.95	1.23	S73E		5.39		.49
3132	94	.45	93.99	3131.94	1.23	S83E		5.54	.73	
3226	94	1.15	93.98	3225.92	2.05	S79E		5.93	2.74	

## DIRECTIONAL DRILLING CALCULATIONS

PAGE 2

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH

STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
3320	94	1.30	93.97	3319.89	2.46	N81E		5.55	5.17	
3414	94	.15	94.00	3413.89	.41	N63E		5.36	5.54	
3508	94	.00	94.00	3507.89	.00	N W		5.36	5.54	
3602	94	.00	94.00	3601.89	.00	N W		5.36	5.54	
3696	94	.15	94.00	3695.89	.41	N17W		4.97	5.42	
3790	94	.45	93.99	3789.88	1.23	N37E		3.99	6.16	
3884	94	.30	94.00	3883.88	.82	N53E		3.50	6.81	
3978	94	.45	93.99	3977.87	1.23	N52E		2.74	7.78	
4072	94	1.00	93.99	4071.86	1.64	N69E		2.15	9.31	
4166	94	1.15	93.98	4165.84	2.05	N60E		1.12	11.09	
4260	94	.30	94.00	4259.84	.82	N72E		.87	11.87	
4354	94	1.00	93.99	4353.83	1.64	N79E		.56	13.48	
4448	94	1.15	93.98	4447.81	2.05	N12E	1.45		13.91	
4542	94	1.15	93.98	4541.79	2.05	N39E	3.04		15.20	
4636	94	1.00	93.99	4635.78	1.64	N77E	3.41		16.80	
4730	94	.30	94.00	4729.78	.82	S67E	3.09		17.55	

## DIRECTIONAL DRILLING CALCULATIONS

PAGE 3

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH

STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	NORTH	TOTAL COORDINATES		
			COURSE	TOTAL				SOUTH	EAST	WEST
4824	94	1.00	93.99	4823.77	1.64	S28E	1.64		18.32	
4918	94	1.30	93.97	4917.74	2.46	S 5E		.81	18.53	
5012	94	1.30	93.97	5011.71	2.46	S11E		3.22	19.00	
5106	94	2.00	93.94	5105.65	3.28	S11E		6.44	19.63	
5200	94	1.30	93.97	5199.62	2.46	S20E		8.75	20.47	
5294	94	2.00	93.94	5293.56	3.28	S23E		11.77	21.75	
5388	94	1.30	93.97	5387.53	2.46	S28E		13.94	22.90	
5482	94	2.00	93.94	5481.47	3.28	S 3E		17.22	23.07	
5576	94	1.30	93.97	5575.44	2.46	S 7W		19.66	22.77	
5618	42	1.30	41.99	5617.43	1.10	S23E		20.67	23.20	
5653	35	1.00	34.99	5652.42	.61	S 8W		21.27	23.12	
5684	31	1.45	30.99	5683.41	.95	S12E		22.20	23.32	
5715	31	2.45	30.96	5714.37	1.49	S23E		23.57	23.90	
5746	31	3.15	30.95	5745.32	1.76	S18E		25.24	24.44	
5777	31	3.15	30.95	5776.27	1.76	S 3E		27.00	24.53	
5808	31	4.00	30.92	5807.19	2.16	S12W		29.11	24.08	

## DIRECTIONAL DRILLING CALCULATIONS

PAGE 4

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYOU

CALCASIEU PARISH    STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
5839	31	4.15	30.91	5838.10	2.30	S17W		31.31	23.41	
5870	31	4.45	30.89	5868.99	2.57	S22W		33.69	22.45	
5901	31	5.15	30.87	5899.86	2.84	S27W		36.22	21.16	
5932	31	5.15	30.87	5930.73	2.84	S34W		38.57	19.57	
5963	31	5.30	30.86	5961.59	2.97	S42W		40.78	17.58	
6038	75	5.15	74.69	6036.28	6.86	S48W		45.37	12.48	
6088	50	5.30	49.77	6086.05	4.79	S51W		48.38	8.76	
6148	60	6.15	59.64	6145.69	6.53	S52W		52.40	3.61	
6210	62	7.00	61.54	6207.23	7.56	S54W		56.84		2.51
6300	90	7.45	89.18	6296.41	12.14	S55W		63.80		12.45
6393	93	9.15	91.79	6388.20	14.95	S57W		71.94		24.99
6486	93	10.45	91.37	6479.57	17.35	S58W		81.13		39.70
6609	123	12.30	120.08	6599.65	26.62	S61W		94.04		62.98
6709	100	13.30	97.24	6696.89	23.35	S64W		104.28		83.97
6802	93	14.00	90.24	6787.13	22.50	S67W		113.07		104.68
6892	90	14.15	87.23	6874.36	22.15	S69W		121.01		125.36

## DIRECTIONAL DRILLING CALCULATIONS

PAGE 5

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

FIELD- ENGLISH BAYDU

CALCASIEU PARISH     STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
7008	116	14.00	112.55	6986.91	28.06	S71W		130.15		151.89
7040	32	13.30	31.12	7018.03	7.47	S66W		133.19		158.71
7072	32	14.15	31.02	7049.05	7.88	S61W		137.01		165.60
7173	101	15.00	97.56	7146.61	26.14	S57W		151.25		187.52
7274	101	16.45	96.71	7243.32	29.11	S55W		167.95		211.37
7367	93	19.00	87.93	7331.25	30.28	S54W		185.75		235.87
7460	93	19.45	87.53	7418.78	31.43	S55W		203.78		261.62
7550	90	19.45	84.71	7503.49	30.41	S55W		221.22		286.53
7640	90	19.30	84.84	7588.33	30.04	S56W		238.02		311.43
7733	93	17.45	88.57	7676.90	28.35	S56W		253.87		334.93
7826	93	16.00	89.40	7766.30	25.63	S59W		267.07		356.90
7891	65	15.00	62.79	7829.09	16.82	S59W		275.73		371.32
7981	90	15.00	86.93	7916.02	23.29	S59W		287.73		391.28
8074	93	14.45	89.94	8005.96	23.68	S59W		299.93		411.58
8194	120	14.15	116.31	8122.27	29.54	S58W		315.58		436.63
8314	120	13.45	116.56	8238.83	28.52	S56W		331.53		460.27

## DIRECTIONAL DRILLING CALCULATIONS

PAGE 6

COMPANY- W. C. PICKENS

WELL- NOBEL - KIRKWOOD # 1

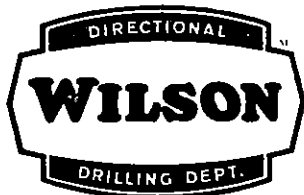
FIELD- ENGLISH BAYOU

CALCASIEU PARISH

STATE OF LOUISIANA

MEAS DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL-DEPTH		DEVIATION	DIRECTION	TOTAL COORDINATES			
			COURSE	TOTAL			NORTH	SOUTH	EAST	WEST
8438	124	14.00	120.32	8359.15	30.00	S56W		348.31		485.14
8562	124	13.45	120.45	8479.60	29.47	S56W		364.79		509.57
8686	124	13.30	120.57	8600.17	28.95	S57W		380.56		533.85
8811	125	13.15	121.67	8721.84	28.65	S55W		396.99		557.32
8947	136	13.00	132.51	8854.35	30.59	S57W		413.65		582.97

BOTTOM HOLE CLOSURE, 714.81 FEET AT S 54 39 W



COMPANY W. C. PICKENS  
 WELL NOBEL - KIRKWOOD # 1  
 LOCATION ENGLISH BAYOU

DATE February 18, 1970

PAGE 7 of 7

CALCASIEU PARISH, LOUISIANA

	MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DIRECTION OF DEVIATION	TOTAL COORDINATES			
							NORTH	SOUTH	EAST	WEST

DEPT. OF COMMERCE  
 BUREAU OF OIL CONSERVATION  
 U.S. DEPARTMENT OF COMMERCE  
 BUREAU OF OIL CONSERVATION

CLOSURE: Distance 714.81 Feet Direction S 54° 39' W

WILSON SUPERVISOR: L. E. Dean

WE CERTIFY THAT THIS IS A TRUE AND CORRECT REPORT OF OUR SURVEY AND THAT IT AFFORDS A TRUE AND CORRECT REPRESENTATION OF OUR FINDINGS AS TO THE NATURE AND CONDITIONS OF THE WELL AT THE TIME THE SURVEY WAS MADE.

*L. E. Dean*

**WILSON INDUSTRIES INC.**  
 Directional Drilling Division

BEFORE ME THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED L. E. Dean, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THIS INSTRUMENT, WHO AFTER BEING DULY SWORN ON OATH, STATES THAT THE SAME IS A TRUE AND CORRECT STATEMENT OF THE FACTS THEREIN RECITED.

SUBSCRIBED AND SWORN TO BEFORE ME THIS THE eighteenth DAY OF February 19 70

Bonnie R. Knight *Bonnie R. Knight*  
 NOTARY PUBLIC IN AND FOR HARRIS COUNTY, TEXAS

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

02  
4/24/70  
@

WELL COMPLETION OR RECOMPLETION REPORT

LAKE CHARLES

DISTRICT

Re: Well Serial No.: 131917

Completed	<input checked="" type="checkbox"/>	Flowing	<input checked="" type="checkbox"/>	Operator: <u>W. C. PICKENS</u>
Recompleted	<input type="checkbox"/>	Gas-Lifting	<input type="checkbox"/>	Well Name: <u>KIRKWOOD</u>
Oil	<input checked="" type="checkbox"/>	Pumping	<input type="checkbox"/>	Well No.: <u>1</u> , Sec. <u>5</u> , Twp. <u>9S</u> , Rge. <u>7W</u>
Gas	<input type="checkbox"/>	Shut-In	<input type="checkbox"/>	Field <u>Gillis/English Bayou</u>
				Parish <u>Calcasieu</u>

Date Completed or Recompleted 2/20/70 at 1:30 (~~XXXXXX~~) (p.m.)

COMPLETION DATA

Initial Production 145 BOPD Gas Volume 112.37 MCF/Day

Tubing Pressure 1350 psig Casing Pressure Packer psig

Choke Size 7/64" Positive  Adjustable  B.S. & W.P.L. Oil %

Gas/Oil Ratio 775 CF/Bbl. Gravity 35 at 60° A. P. I.

Producing Depth: From 8811 Ft. to 8817 Ft. T. D. 8947 Ft.

Name of Producing Sand: Cib Haz No. 12

\*New Pool      \*Old Pool      List Reason(s) for Pool Classification Old Pool  
Well is second oil completion - Initial oil completion in Fault Segment was W. C. Pickens, King Estate No. 1.

\*As Defined in Statewide Order No. 29-H.

Additional clearance is requested for None barrels of oil produced on drill stem or other production tests (See Section X, Paragraph B of Order No. 29-B on reverse side).

Three (3) copies to be filed with the District Office within three (3) days of date of completion or recompletion (as per Order 29-B, Section X, Paragraph A, Article 1).

I hereby certify that the above information is true and correct to the best of my knowledge.

DISTRICT MANAGER ONLY

29-E Compliance - Yes  No

29-E Unit Attached - Yes  No

DATE: \_\_\_\_\_

DEPT. CONSERVATION

W. C. Pickens  
COMPANY FEB 26 1970

H. L. Peel  
LAKE CHARLES  
COMPANY REPRESENTATIVE

Production Superintendent

TITLE

Form - Comp.

W-17

NOT RECORDED  
DEPT. OF CONSERVATION  
PERMITS SECTION

DEPARTMENT OF CONSERVATION  
STATE OF LOUISIANA

This side is to be used when requesting clearance for oil produced on Drill Stem Test or other Production Tests, made previous to official completion or recompletion.

SECTION X, PARAGRAPH B OF ORDER NO. 29-B

Allowables given to wells for oil produced on drill stem tests, production test and miscellaneous production of oil shall be in accordance with the following rule:

All operators are required within five days, to file three signed copies of the record of the daily production from the well, showing the number of hours the well produced and the interval of production --- as "from 8:00 A.M., August 5 to 3:00 P.M., August 8, 1952."

<u>Date of Test</u>	<u>T E S T   D A T A</u>		<u>Amount of Oil Produced</u>
	<u>Time of Test</u>		
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
_____	_____	M. to _____ M.	_____ Barrels
TOTAL _____			BARRELS

The above total barrels of oil were produced from \_\_\_\_\_ Ft. to \_\_\_\_\_ Ft.

Remarks: \_\_\_\_\_

From - Comp. COMPANY

(Signed) COMPANY REPRESENTATIVE

POTENTIAL REPORT

Type Well: Oil X Gas \_\_\_\_\_ Distillate \_\_\_\_\_

Type Test: Comp. X Recom. \_\_\_\_\_ Retest \_\_\_\_\_ Regauge \_\_\_\_\_

Parish Calcasieu Field Gillis-ENG. Bayou

Company W.C. Pickens Serial No. 131917

Well Name & No. Krikwood - No. 1

Location: Sec. 5 Twp. 9S Rge. 7W Flowing X Pump \_\_\_\_\_

Prod. Horizon \_\_\_\_\_ Perf. Int. 8811' to 8817'

Casing Setting: Size 4 1/2" @ 8947'

Tubing Setting: Size 2" @ 8688' T.D. 8947'

Date Completed IN Tank 3-19-70 Date Gauged 3-20-70

Acidize with \_\_\_\_\_ gals. Elev. of Derr. Floor \_\_\_\_\_

TEST DATE \_\_\_\_\_

T. P. 1400 C. P. - Choke Size 7 /64th

Closing TK Gge. 7 ft. 2 in. @ 1:00 PM Time

Opening TK Gge. 0 ft. 0 in. @ 1:00 PM Time

Diff. 7 ft. 2 in. 24 Hours (Time)

Tank No. Test Tank Coef. 1.68

Bbbs. per 24 Hrs. \_\_\_\_\_ Est. Bbbs. per Day 146

Daily Gas Vol. 110 M.C.F. G/O Ratio. 775:1

B.S.&W. TRACE % Corrected Gravity 35.0 Deg. A.P.I.

Witnessed J.C. Young Title \_\_\_\_\_

Gauged by Ben Halecomb Title Agent  
Department of Conservation

District Office \_\_\_\_\_

Remarks: 2" x 1/2 O.P. Diff. 18"

OFFICE WELL TESTER W/MUR.

LAKE CHARLES

Form MD-15-R

WELL FILE COPY

No. 48644 -A

STATE OF LOUISIANA AMEND WELL NAME  
DEPARTMENT OF CONSERVATION

Amended Permit..... \$25.00

AMENDED PERMIT TO DRILL FOR MINERALS

SERIAL NO.: 131917 BATON ROUGE, LA., July 30, 19 70

PARISH: Calcasieu FIELD: Gillis/English Bayou

OPERATOR: W. C. Pickens

ADDRESS: 800 Preston Bank Building  
Dallas, Texas 75225

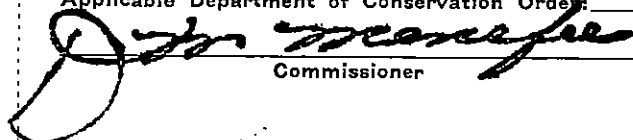
WELL NAME: VU B; Kirkwood \* NO.: 1

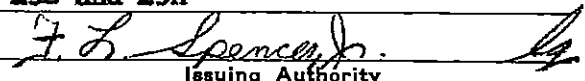
LOCATION OF WELL: Sec. 5 T 9S R 7W  
Location Same.

\*Formerly: Kirkwood

Zone or Reservoir of proposed completion:

Applicable Department of Conservation Order: 29B, 29E and 29H

  
Commissioner

  
Issuing Authority



Lake Charles

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATION Amend Operator

Amended Permit..... \$25.00

## AMENDED PERMIT TO DRILL FOR MINERALS

SERIAL NO.: 131917 BATON ROUGE, LA., May 24, 1971

PARISH: Calcasieu FIELD: X Gillis-English Bayou

OPERATOR: The Pickens Company, Inc. \*

ADDRESS: 800 Preston Bank Bldg.,  
Dallas, Texas 75225

WELL NAME: Ch 12 RB SU A; Kirkwood NO.: 1

LOCATION OF WELL: Sec. 5 T 9S R 7W

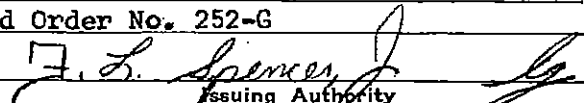
Location Same

\*Formerly: W.C. Pickens

Zone or Reservoir of proposed completion:

Applicable Department of Conservation Order: Field Order No. 252-G

  
 Commissioner

  
 Issuing Authority

TYPE ONLY

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATION

137917  
cut

APPLICATION FOR PERMIT TO DRILL (OR RENEW) FOR MINERALS

SERIAL No. 137917 DATE Oct. 11, 19 71  
PARISH St. Landry FIELD Wildcat  
OPERATOR Lamar Hunt  
ADDRESS 1401 Elm St. Dallas, Texas 75202  
WELL NAME L.M. Campbell No. 1  
LOCATION OF WELL: SEC 14 T 7 S 3 E  
2300' East and 1200' South of NW Cor Sec. 14

APPLICATION FOR Oil & Gas WELL PROPOSED TOTAL DEPTH 12300  
ZONE OR RESERVOIR OF PROPOSED COMPLETION Cockfield  
APPLICABLE DEPARTMENT OF CONSERVATION ORDER 29B 29E  
SEND PERMIT TO: 1401 Elm St. Dallas, Texas 75202

By: [Signature]  
(APPLICANT'S SIGNATURE)

APPROVED BY [Signature] DATE 10-13, 19 71

MBR DIST. OFFICE

APPROVED BY [Signature] DATE 10/14/71, 19 71

ISSUING AUTHORITY

#1709720162

P-30

FORM MD-10-R

STATE OF LOUISIANA  
DEPARTMENT OF CONSERVATION

TYPE ONLY

APPLICATION FOR AMENDED PERMIT TO DRILL FOR MINERALS

TYPE OF AMENDMENT: OPERATOR  WELL NAME  WELL No.  LOCATION   
SERIAL No. 137917 ✓ DATE Oct 18, 19 71

PARISH St. Landry ✓ FIELD Wildcat ✓

OPERATOR Lamar Hunt - Apache Corp.

ADDRESS 1401 Elm St., Dallas, Texas, 75202

WELL NAME L. M. Campbell ✓ No. 1 ✓

LOCATION OF WELL: (OLD) (NEW) SEC. 14 T 7S R 3E, \_\_\_\_\_

2300' East @ 1200' South of NW Cor Sec. 14

*Same*

OLD OPERATOR Lamar Hunt ✓

OLD WELL NAME Same No. Same

APPLICABLE DEPARTMENT OF CONSERVATION ORDER 29E 29E

SEND PERMIT TO: 1401 Elm St., Dallas, Texas 75202

BY:   
(APPLICANT'S SIGNATURE)

APPROVED BY:  DATE 10-21, 19 71  
MGR., DIST. OFFICE

APPROVED BY: \_\_\_\_\_ DATE \_\_\_\_\_, 19 \_\_\_\_\_  
ISSUING AUTHORITY

#52024-A 10-22-71



RECEIVED  
 DEPT OF CONSERVATION  
 WELL RECORDS  
 BATON ROUGE, LA

2003 FEB 20 AM 10:37

WORK RESUME

List below all work performed under Office of Conservation Work Permits while drilling and completing well.

WORK PERMIT NO.	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
L.C.	2/20/70	McCullough	Perforated casing 8811-8817' for production test.
L171-03	1/28/03	Tiger Well Service & HTS Well Service	Set retrievable BP @ 8787' & perforated 8774-8784' in same zone.

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms.

FORMATION	DEPTH	FORMATION	DEPTH
Marginulina	6965'		
Camerina	7990'		
Cib Haz	8765'		

KIRKWOOD #1 - WELL BORE SCHEMATIC (CH 12 RB SU A)

GILLIS / ENGLISH BAYOU FIELD CALCASIEU PARISH, LA SN-131917

ELEVATION = 15.4'

EFFECTIVE: 2/5/2003

13-712 500 SHEETS FULLER 2 SQUARE  
42-381 100 SHEETS EYE-GLASS 2 SQUARE  
42-382 100 SHEETS EYE-GLASS 2 SQUARE  
42-389 200 SHEETS EYE-GLASS 2 SQUARE  
42-392 100 RECYCLED WHITE 3 SQUARE  
42-395 200 RECYCLED WHITE 3 SQUARE  
MADE IN U.S.A.



2 3/8" TBG  
(4.6# FT)

9 5/8" @ 1961'

690 # @ 3004'

665 # @ 3989'

650 # @ 4845'

640 # @ 5546'

630 # @ 6095'

620 # @ 6545'

605 # @ 6908'

595 # @ 7216'

580 # @ 7495'

570 # @ 7802'

560 # @ 8103'

GAS LIFT VALVES

RECEIVED

FEB 12 2003

OFFICE OF CONSERVATION  
LAFAYETTE DISTRICT

NEW PERFS  
@ 8774-84'  
(IES)

OLD PERFS  
@ 8811-17'  
(IES)  
FILL @

BAKER MODEL 'R' @ 8678-85'

EOT @ 8696'

RBP (BAKER LOC-SET) @ 8776'

LOST WIRELINE TOOLS

4 1/2", 11.6# / FT @ 8931'

PBTD @  
8880'

NOTE: IES - 11' = TBG MEAS

11/2 2/5/03

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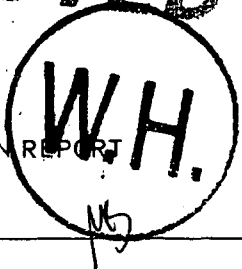
POSTED

FEB 12 2003

STATE OF LOUISIANA  
OFFICE OF CONSERVATION

OFFICE OF CONSERVATION  
LAFAYETTE DISTRICT

WELL COMPLETION OR RECOMPLETION REPORT



29-E COMPLIANCE        YES        NO

29-E UNIT ATTACHED        YES        NO

---

O.C. USE ONLY

DISTRICT Lafayette

CODE NUMBERS: 010 | PARISH Calcasieu | DATE 2/10/03 |  1 - ON-SHORE

4052 | FIELD Gillis/English Bayou | SEC. 005 T 09S R 07W | 3 - OFF-SHORE

4813 | OPERATOR The Pickens Company, Inc. | NO. 001 | SERIAL NO. 131917 | OC ORDER NO. 29H 29B

030037 | WELL NAME Ch 12 RB SU A; Kirkwood | RESERVOIR Cib Haz No. 12 Sand | COMPLETION DATE 2/05/03 | TIME 9:00  AM  PM

IMPORTANT: IS A FORM MD-10-R-A BEING FILED WITH THIS REPORT? IF NO, EXPLAIN YES  NO

REMARKS: Work permit L #171-03

COMPLETION DATA:

\* TYPE COMPLETION:  1 - ORIG. COMP.  2 - RE-COMP.

PRIMARY PRODUCT:  1 - OIL  2 - GAS  3 - DRY GAS

PRIMARY PRODUCT CHANGE?:  1 - YES  2 - NO

PRODUCING METHOD:  F - FLOWING  GL - GAS LIFT  P - PUMPING

STATUS OF WELL:  1  0 SEE REVERSE SIDE FOR CODE

\* IF THIS IS A RE-COMPLETION SPECIFY: SAME RESERVOIR  DIFFERENT RESERVOIR

INITIAL PROD. 55 BOPD | GAS VOLUME 60 MCF/DAY | FLOWING TUBING PRESSURE 420 PSIG | SHUT-IN TUBING PRESSURE 800 PSIG | CASING PRESSURE 50 PSIG

HOKE SIZE 18 / 64" |  1 - POSITIVE  2 - ADJUST | WATER PROD. 3 BPD | BS & W 0.20 % | GOR 1090 CF/BBL | GRAVITY 35.6 API AT 60°F

PERFORATIONS 8774-8784' TOTAL DEPTH 8947'

CLEARANCE & CERTIFICATION:

ADDITIONAL CLEARANCE IS REQUESTED FOR \_\_\_\_\_ BBLs. OF OIL PRODUCED ON DRILL-STEM OR OTHER PRODUCTION TEST: (SEE SECTION X PARAGRAPH B OF ORDER 29-B ON REVERSE SIDE).

CERTIFICATION

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

INSTRUCTIONS

THREE (3) COPIES TO BE FILED WITH THE DISTRICT OFFICE WITHIN THREE (3) DAYS OF DATE OF COMPLETION OR RECOMPLETION (AS PER ORDER 29-B, SECTION X, PARAGRAPH A, ARTICLE 1).

Judith Skene Judith Skene  
SIGNATURE  
The Pickens Company, Inc. 214/369-7471  
OPERATOR  
Production Assistant 2/10/03  
TITLE

DEPT OF CONSERVATION  
WELL RECORDS  
BATON ROUGE, LA

2003 OCT 16 AM 11:11

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
LOUISIANA STATE POTENTIAL REPORT

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MAR 14 2003

OFFICE OF CONSERVATION  
AFAYETTE DISTRICT

District Lafayette INPUT TYPE  
Field Heller English Bayou 4052 1 - OC Only  
Parish Calcasieu  2 2 - Original  
Operator The Petroleum Company, Inc. Code 4813 3 - Correction  
Sec 005 TWP 09S RGE 07W Test Date 3 / 12 / 03  
12 Mo Day Yr

TYPE OF WELL TYPE OF TEST PRODUCING METHOD  
 18 1-OIL  19 1-COMPLETION  20 F-FLOWING  
 18 2-GAS  19 2-RECOMPLETION  20 P-PUMPING  
 18 3-RETEST  20 G-GASLIFT

WELL SERIAL NO	WELL NAME	WELL NO	NAME OF RESERVOIR
131917	Ch 12 RASU 0; KUBWOOD	001	C16 JAZ 00 12 sand

TOTAL DEPTH	PERFORATED INTERVAL FROM TO	CHOKE /64"	OIL BBL/DAY	COND BBL/DAY	GAS MCF/DAY	GAS/OIL RATIO CF/BBL
8947	8774 - 8784	17/64	40		170	4250

API GRAV @ 60° F	WATER BBL/DAY	BS&W %	FLOWING PRES (PSIG)	CASING PRES (PSIG)	DATE OF COMPLETION		
					MO	DAY	YR
35.6	0	0.30	435	470	2	5	03

CLOSE TANK / METER GAUGE 9.5 @ 9:00AM TIME  
OPEN TANK / METER GAUGE 7.5 @ 9:00AM TIME  
DIFFERENCE 2.0 in 24 HOURS  
TANK / METER NO 74586 TANK COEF 1.67

STATIC PRES 35 DIFFERENTIAL PRES 7 LINE SIZE 2"  
PLATE SIZE 1.250 COEFFICIENT \_\_\_\_\_ METER SPRING & DIFF RANGE 1000

REMARKS \_\_\_\_\_

WITNESSED BY Byron Chamberlain GAUGED BY Mike Smart  
TITLE CES III TITLE Pumper

Work Permit

STATE OF LOUISIANA DEPARTMENT OF CONSERVATION

Well Name & No Ch 12 RB Su A, Kirkwood #001 Sec 005 T 09S R 07W

Field Gillis/English Bayou Parish Calcasieu

Permit Serial No 131917 Work Permit No LPA#757-04

Description of Work P & A. set 100' cement plug from 8674-8774 Pull tubing Cut and pull 4 1/2 from 1900+/- set 200' cement plug from 1800-2000' set 50' cement plug from 5-55' weld on 1/2" steel plate 5' B G L

Sand & Reservoir To Be Tested TD

Operator The Pickens Company, Inc / S W A P , Inc  
Address 515 St DePorres  
City State & Zip Broussard, LA 70518

Permit Requested By [Signature] Date 11/24/04

Permit Authorized By [Signature] District Lafayette Date 11/30/04



**OFFICE OF CONSERVATION**  
WELL HISTORY AND WORK RESUME REPORT

FIELD

Gillis / English Bayou

SERIAL NO

131917

PRODUCING INTERVAL

P & A

RESERVOIR (COMPANY SAND IDENTIFICATION)

Three typewritten copies of this report must be filed with the District Office of the Office of Conservation in which the well is located within twenty (20) days of the date of completion. NOTE: If not properly completed and signed this report will be returned

LEASE AND WELL DATA

CHECK APPROPRIATE BOXES

- NEW WELL  
 RECOMPLETION  
 P & A

- 31 INACTIVE DRY HOLE FUT UTIL  
 32 INACTIVE DRY HOLE NO FUT UTIL  
 36 INACTIVE WAITING ON PIPELINE  
 37 INACTIVE WAITING ON MARKET

PRODUCT

- OIL  
 GAS  
 OTHER

IF RECOMPLETION

- SAME RESERVOIR  
 DIFFERENT RESERVOIR

DATE COMP, RECOMP OR P & A  
M D Y

12/20/04

OPERATOR

The Pickens Company, Inc

CODE

ADDRESS

8111 Preston Rd Suite 800  
Dallas, TX 75225-6378

WELL NAME

Kirkwood

WELL NO

001

PARISH

Calcasieu

SEC 005 TWP 09S RGE 07W

DATE PERMIT ISSUED

DATE SPUNDED

M D Y

DATE READY TO PRODUCE\*

TOTAL DEPTH

PBTD

GROUND ELEVATION

CASING HEAD FLANGE ELEVATION

DISTANCE FROM RKB TO CHF

DATE WELL TURNED INTO TANKS

SINGLE DUAL OR TRIPLE COMPLETION?

Single

NOTE: IF THIS IS A MULTIPLE COMPLETION FURNISH A SEPARATE REPORT FOR EACH COMPLETION

WAS WELL DIRECTIONALLY DRILLED?

WAS DIRECTIONAL SURVEY MADE?

WERE 3 COPIES FILED WITH THE OFFICE OF CONSERVATION?

DATE FILED

TYPE OF ELECTRICAL OR OTHER LOGS RUN (CIRCLE LOGS FILED WITH OFFICE OF CONSERVATION)

DATE FILED

CASING LINER AND TUBING RECORD

Casing Size	Hole Size	Casing Weight	Depth Set		Sacks Cement	Test Pressure	Hours Under Pressure	Date Tested (MM DD YY)	Name of Test Witness - State if Conservation Agent or Offset Operator
			From	To					
101	SAME								
102									
103									
104									
105									

TUBING SIZE DEPTH OF TUBING DEPTH OF PACKER(S)

INITIAL COMPLETION OR RE-COMPLETION DATA

INITIAL PRODUCTION	GAS VOLUME	GOR	CHOKE SIZE	PRODUCING METHOD
BOPD	MCF/DAY	CF/BBL	/64"	
FLOWING TUBING PRESSURE	SHUT-IN TUBING PRESSURE	CASING PRESSURE	WATER PRODUCTION	BS&W
psig	psig	psig	BPD	%
GRAVITY	BHP (SHUT-IN)	COMPANY REPRESENTATIVE	DATE GAUGED	
*API@60°F	psig			

PLUG AND ABANDON (P & A) DATA

Casing Size	Amount Pulled	Cement Plugs				Date Work Performed	Name of Test Witness - State if Conservation Agent or Offset Operator
		From	To	Sacks	How Placed		
9 5/8	0	5	55	20	pumped		
5 1/2	1850	1750	2000	45	pumped		
5 1/2	0	8674	8774	20	pumped		

CERTIFICATE: I, the undersigned, state that I am employed by S.W.A.P., Inc. and that I am authorized to make this report, and that this report was prepared under my supervision and direction and that all facts stated herein are true, correct and complete to the best of my knowledge

Signature Robert Carpenter Title: President

\*Date well is equipped to produce, but due to no available market, no pipe line connection, etc., the well has been shut-in

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OFFICE OF CONSERVATION  
A WELLS REPORT

Pdg

2005 JA 13 21 1-52

WORK RESUME

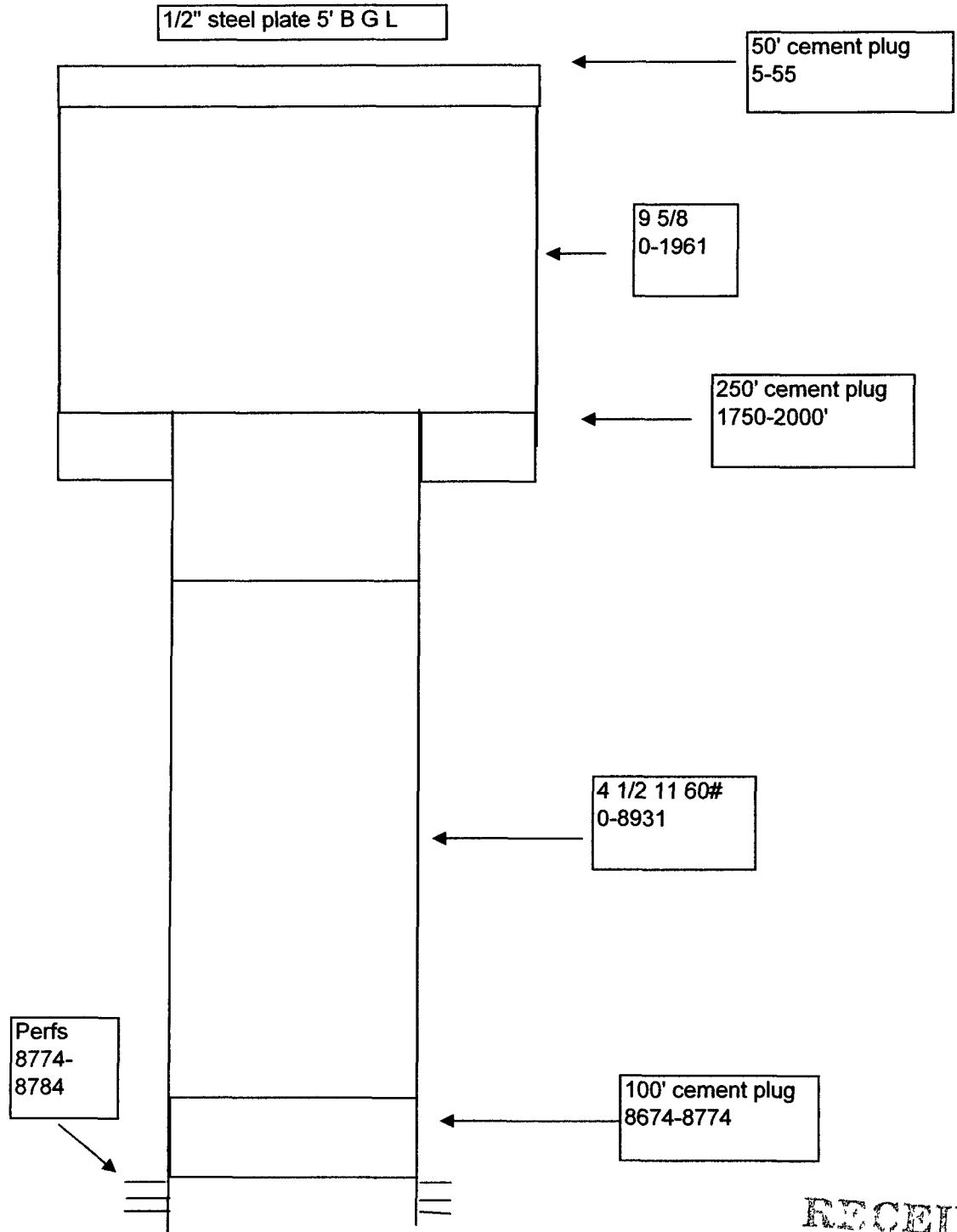
List below all work performed under Office of Conservation Work Permits while drilling and completing well

WORK PERMIT NO	DATE WORK PERFORMED	SERVICE COMPANY	DESCRIPTION OF WORK
LPA 757-04	12/06/04 to 12/20/04	S W A P , Inc	set 100' cement plug from 8674-8774' set 250' cement plug from 1750-2000'. set 50' cement plug from 5-55' weld on 1/2" steel plate 5' B G.L

List below all important Paleofaunal or Geological Formation tops, Cap Rock and Salt Overhang bottoms

FORMATION	DEPTH	FORMATION	DEPTH

WELL NAME Ch 12 RB Su A, Kirkwood #001  
SERIAL # 131917  
P & A Final

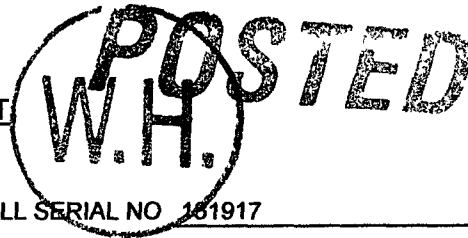


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OFFICE OF CONSERVATION  
LAFAYETTE DISTRICT

STATE OF LOUISIANA  
OFFICE OF CONSERVATION  
PLUG AND ABANDON REPORT



WORK PERMIT NO LPA 757-04

WELL SERIAL NO 161917

TOTAL DEPTH \_\_\_\_\_

PBTD \_\_\_\_\_

DATE WORK FINISHED (MM-DD-YY) 12/20/04

Lafayette DISTRICT  
(Three Copies to be Filed with the District Office)

NOTE This Report Will Be Returned If Not Properly Completed And Signed

Field Gillis / English Bayou Parish Calcasieu Sec 005 Twp 09S Rge 07W

Operator The Pickens Company, Inc

CODE

Well Name Kirkwood

Well No 001

Check Appropriate Box

29 DRY HOLE

30 FORMERLY ACTIVE

18 TEMPORARILY ABANDONED  
(All But Top Plug Set)

Depth Casing Cut Below Plow Depth Or Mud Line 5' Weight of Mud Left In Well After Abandonment 90

Setting Depths Of Bridge Plugs And/Or Cement Retainers \_\_\_\_\_

Is This Well A Multiple Completion? Yes \_\_\_\_\_ No x - If Yes, Submit Additional Report For Other Well(s) And Indicate Other Serial No (s) In Space Provided \_\_\_\_\_

	CASING* SIZE	CASING PULLED
301	9 5/8	0
302	5 1/2	1,850
303	5 1/2	0
304		
305		
306		
307		

CEMENT PLUGS*				
FROM	TO	NO SACKS	SLURRY WT	PLACEMENT METHOD
5	55	20	15	pumped by S W A P , Inc
1,750	2,000	45	15	pumped by S W A P , Inc
8,674	8,774	20	15	pumped by S W A P , Inc

\* List Casing Sizes And Plug Depths In Descending Order

Remarks Cut and remove well head 5' B G L Welded on 1/2" steel plate with serial number welded onto same

This work was done according to the Rules and Regulations of the Office of Conservation

WITNESS

RECEIVED

DEC 30 2004

OFFICE OF CONSERVATION  
LAFAYETTE DISTRICT

The Pickens Company, Inc

OPERATOR (Company Name)

REPRESENTATIVE (SIGNED)

FILE