P-N

E. B. LaRue Jr. / Navajo
NW/4-NW/4 Sec 18-40N-28E
Apache, County 94

County Apache

Area 4 Corners

Lease No. Nav 14-20-603-4175

Well Name E. B. La Rue Jr. / Navajo

Location C NW NW Sec 18 Twp 40N Range 28E Footage 660 FNL; 660 FWL

Elev 5582 Gr 5592 KB Spud Date 8-15-59 Complete Abandon 10-12-59 Total Depth 6916

Contractor: Approx. Cost $

Drilled by Rotary X
Cable Tool

Casing Size	Depth	Cement

Production Horizon

Initial Production D & A

REMARKS:

Elec. Logs GRN; IE; Microlog; Perforating log

Applic to Plub X Plugging Record X Completion Report X

Sample Log Am Strat
Sample Descript X
Sample Set 1672
Cores

Water well - accepted by

Bond Co. & No. Travelers Indemnity Company C 939185

Bond Am't $ 2,500 Cancelled 11-3-61 Date Organization Report ✓

Filing Receipt 9202 dated 8-10-59 Well Book X Plat Book X

Loc. Plat X Dedication All 18-40N-28E

PERMIT NO. 94 Date Issued 8-28-59

#94

Tracer

at 5986, packer at 5985. Swabbed perfs 5897-5901. Swabbed 6 hrs. Swabbed 10 BF - 15% oil, 85% SW. Prep to P & A

DST 1: 5484-5610, IS1 30 Mins, op 1 hr, weak blow throughout. No GTS. SI 30 mins, Rec 100' very oil GC & oilGCM. ISIP 1660#, FP 35-70E, FSIP 1505#. Prep to drill ahead.

DST 2: 5610-5750, GTS 14 mins. TSTM. Steady throughout. Rec 840' frothy HOcGCM & 60' watery OcGCM No free oil or wtr. ISIP 1575/45 mins, FP 85-4[illegible] FSIP 1330/45 mins.

DST 3: 5882-5901, op 1 hr. GTS 36 mins. TSTM. Rec 220' emulsified oil & Gas cut mud. ISIP 1720/45 mins. FP 70-105#, FSIP 1535#/45 mins.

DST 4: 6201-6351, op 2 hrs 8 mins. Rec 4275' fluid 945' mud, 900'SWCM, 2430 SW. ISIP 2005#/45 mins, FP 745-2015#, FSIP 2015#/45 mins, HP 3250#.

DST 5: 6735-6900, op 2 hrs. SI 30 mins. Rec 540' drlg mud, 2520' HOSW. ISIP 2150/30 mins. FP 190-1345#, FSIP 1050#, HP 3285#.

Crd 1: 5705-50. Rec 41'
20' ls, dense, HS; 2' ls, vugular, spotty stain, bledg oil & SW, fract.; 19' ls, dense HS;

CRD 2: 6290-6307. Rec 17'; 17' dolomite, scattered vugular porosity, bledg SW.

Crd 3: 6397-21, Rec 14'; 2' dolomite, gray, sucrosic, scattered vugs, HS; 1' dolo, brn, sucrosic, dase, HS; 4' dolo, gray, some vugs w/calcite lining, few sh partings, HS; 1' dolo, brn, w/red dolo, lams, dase, HS.; 3' dolo, gray w/sh partings, chert nodules; 3' dolo, gray brn, scattered calcite fillings vugs.

Perf: 5340-55, 5353-68, 5374-94, 5801-5901, 5913-19 w/4 HPF, acidized w/500 gals HCA. Swabbed 3 to 3½ BFPH, 85% SW, 15% oil.

ARIZONA
APACHE COUNTY
WILDCAT (W)

PETROLEUM INFORMATION
DENVER CASPER
ROCKY MOUNTAIN
OIL INFORMATION

Twp 40n-28e
Section 18
c nw nw
660 s/n 660 e/w

OPR: F. B. La Rue Jr. WELL #: 1 Navajo

ELEV: 5580 Gr.

*TOPS: Log-~~Samples~~

Hermosa 4513
Paradox 5236
Ismay 5259
Ouray 6435
Elbert 6478
McCracken 6705
Granite Wash 6870

Spl Tops:
Lower Hermosa 5645
Molas 6050
Mississippian 6155

DSTS. & CORES:

DST 5882-5901, 1 hr, gas in 36 min, too small to measure, rec 220 O&GCM, FP 90-105#, SIP(45 min) 1780#. DST 6201-6351, 2 hrs, rec 940 mud, 900 salt wtr cut mud, 2430 salt wtr, FP 745-2015#, SIP(45 min)2005#, HP 3250#. DST 6735-6900, 2 hrs, rec 540 mud, 2520 muddy salt wtr, FP 190-1345#, SIP(30 min)2150#, (30 min) 1950#.

SPUD: 8-4-59 COMPL: 10-12-59

TD: 6913 PB:

CSG: 8-5/8" @ 87 w/200
5½" @ 5985 w/225

PERF: 5840-50, 5858-68, 5874-85, 5891-5901, 5913-19 w/4 per ft;swbd 4½ hrs, fluid level 500, rec load wtr and formation wtr, SI 3 hrs, fluid level rose to 1200, swbd 5 hrs @ rate 75-100 BFPD(50% oil, 50% wtr). Set bridge plug @ 5929 pkr @ 5872;swbd ~~PROD ZONE~~: 5874-5919, fluid level 4000; swbd 2-2/3 bbls OC salt wtr;swbd salt wtr cut (15% oil)@ rate of 2-3 bbls per hr.***

INIT. PROD:

***reset bridge plug @ 5906;swbd 1850 ft oil cut salt wtr approx 50% oil;swbd 6 hrs, rec 22 bbls fluid.

D & A.

Contr: Moran.

*For Electric Logs on Rocky Mountain Wells—Ask Us! Log #26291.

Ariz 6-951180

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WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

DESCRIPTION OF WELL AND LEASE

Operator: E. B. LaRue, Jr.	Address: 2422 Republic Bank Bldg. Dallas, Texas
Lease Name:	Well Number: #1 Navajo
Field & Reservoir: Wildcat	

Location (Sec.—TWP-Range or Block & Survey): 660' from north line 660' from west line NW/4 NW/4 Sec. 18 T40N R28E Apache Co., Arizona

County	Permit number	Date Issued	Previous permit number	Date Issued
Apache				

Date spudded	Date total depth reached	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.)	Elevation of casing hd. flange
8-15-59	10-11-59		5590 feet	feet

Total depth	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.
6900'		Single	

Producing interval (s) for this completion	Rotary tools used (interval)	Cable tools used (interval)
	To total depth	------

Was this well directionally drilled?	Was directional survey made?	Was copy of directional survey filed?	Date filed
No	No	--------	--------

Type of electrical or other logs run (check logs filed with the commission)	Date filed
Electrical, Gamma Ray-Neutron, Induction Electric	---------

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
		8-5/8"	24#	188'		
		5-1/2"	15.5#	5982'		

TUBING RECORD

Size in.	Depth set ft.	Packer set at ft.

LINER RECORD

Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)

Tubing pressure	Casing pressure	Cal'ted rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas—oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Owner of the E. B. LaRue, Jr. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

February 8, 1963
Date

E. B. LaRue, Jr.
Signature

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
File two copies
Form No. P-7

[redacted]

94/3

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
2373			De Chelly
4512			Hermosa
5180			Ismay
5236			Paradox
5312			Desert Creek
6055			Molas
6145			Mississippian
6435			Ouray
6478			Elbert
6705			McCracken
6870			Granite Wash

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptablbe log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. P-7

PLUGGING RECORD

Operator	Address
E. B. LaRue, Jr.	PO Box 209, Athens, Texas

Name of Lease	Well No.	Field & Reservoir
Navajo-14-20-603-4175	1	Wildcat

Location of Well	Sec-Twp-Rge or Block & Survey	County
C NW/4 NW/4	Sec. 18, T40N R28E	Apache

Application to drill this well was filed in name of	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbls/day)	Gas (MCF/day)	Dry?
E. B. LaRue, Jr.	No			Yes

Date plugged:	Total depth	Amount well producing when plugged: Oil (bbls/day)	Gas (MCF/day)	Water (bbls./day)
10-12-59	6916			

Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used Indicate zones squeeze cemented, giving amount cement.
Barker Creek	85% water 15% oil	5913-5840	5930-5830 cement

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
8-5/8 J-55	188	None	188		
5-1/2 J-55	5982	2392	3590	shot	Retreivable

Was well filled with mud-laden fluid, according to regulations?	Indicate deepest formation containing fresh water.
Yes	Navajo 650'

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
Pan American Petro. Corp.	Farmington, New Mexico	West
Tidewater Oil Company	Durango, Colorado	North

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

No

Use reverse side for additional detail
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the sole owner of the E. B. LaRue, Jr. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

April 8, 1960
Date

E. B. LaRue Jr.
Signature

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Plugging Record File two copies

Form No. P-15
Authorized by Order No. 4-8-59
Effective April 8, 19 59

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APPLICATION TO ABANDON AND PLUG

FIELD Wildcat

OPERATOR E. B. LaRue, Jr. ADDRESS 2422 Republic Bank Bldg. Dallas, Texas

LEASE _____ WELL NO. 1 Navajo COUNTY Apache

SURVEY _____ SECTION 18 DRILLING PERMIT NO. _____

LOCATION 660' from north line 660' from west line NW/4 NW/4 Section 18 T40N R28E

TYPE OF WELL Dry (Oil, Gas or Dry Hole) TOTAL DEPTH 6900'

ALLOWABLE (If Assigned) _____

LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)

GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD _____

2. FULL DETAILS OF PROPOSED PLAN OF WORK

5930-5830 30 sks.

2400-2300 30 sks.

850- 750 30 sks.

At surface 10 sks.

Set 4' marker at surface.

If well is to be abandoned, does proposed work conform with requirements of Rule 202? _____ If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS August 15, 1959.

NAME OF PERSON DOING WORK Moran Brothers, Inc ADDRESS Wichita Falls, Texas

CORRESPONDENCE SHOULD BE SENT TO _____

NAME E. B. LaRue Jr.

TITLE Operator

Date Approved April, 1963

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
Form No. 15A File 2 Copies
~~Authorized by Order No. 1-0-59~~
~~Effective April 6, 1959~~

94/2 Form 15A

#94

SAMPLE DESCRIPTION

E. B. LaRue, Jr. No. 1 Navajo

660' from north & west lines

Section 18, T40N R28W

Apache County, Arizona

Elevation 5580 ground 5590 DF 559 KB

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E. B. LeRUE, JR. NO. 1 NAVAJO

APACHE COUNTY, ARIZONA

Spud 8-15-59. Set 188' 8 5/8" J-55 15.5# casing W/200 sks. Pumped returns to surf. Total 25 minutes.

DST #1
9-8-59 5484'-5610' Open 1 hr. Fair blow throughout test. Rec. 100' VSOCM and SGCM. ISIP 1660#, 30 min. FSIP 1505#. IFP 35#. FFP 70#. HP 2845#.

9-10-59 CORE #1
5705'-45' rec. 14'sh, 16½' ls, dense, 2 ls w/good micro vugs & ppp, bleeding gas & oil, strong odor, 16' ls, dense, sli dolo, 1' sh.

9-10-59 DST #2
5610'-5750' 2 hrs. Blow-Air immediately. Fair to strong throughout. Gas to surface in 14 min. Gas too small to measure. Rec. 900' fluid 840 VHO&GCM 60' water, oil & gas cut mud. Water slightly salty. ISIP 1575# (53 min) after 45 min. FP 85#-420#. FSIP 1330#.

9-12-59 DST #3
5882'-5901'. 1 hr. gas to surf. in 36 min. Rec. 220' GCM. FP 90#-105# SIP (45 min.) 1780#.

9-19-59 CORE #2
6290'-6321. Hard dense gray crystalline dolomite w/few scattered vugs. No shows.

9-19-59 DST #4
6201-6351'. 2 hrs. 08 min. test 4275' fluid recovered. 945' mud. 900' water cut mud. 2430 salt water. ISIP 2005# and final 2015#. IFP 745#. FFP 2015#. HH 3215.

9-28-59 DST #5
6735'-6900'. 2 hrs. Rec. 540' mud, 2520' muddy salt water. FP 190#-1345#. SIP (30 min) 2150#.

10-2-59 Set 5½" casing to 5982. Cemented to 5110 w/250 sks. Perforated 5840-50, 5858-68, 5875-84, 5891-5901, 5913-19.

10-6-59 Set Baker retrievable packer above all perforations and swabbed down to 5,000'. Swabbed 85% formation water 15% oil.

10-8-59 Set packer at 5874'. Swabbed 85% formation water 15% oil.

10-10-59 Set packer 5890'. Swabbed 85% formation water 15% oil. Water analysis 44,000 PPM salt. All oil 45-50 gravity.

10-11-59 Shot casing off at 4994. Casing stuck. Shot casing at 2400' recovered 2400' casing.

10-12-59 Plugged as follows:

5930-5830	30 sks.
2400-2300	30 sks.
850- 750	30 sks.
At Surface	10 sks.

Set 4' marker at surface.

9/ SA

2200-2300 80% shale, green to gray, clayey
20% Shale, red w/few green spots, clayey, Trace of sandstone

2300-2310 80% shale, mottled, gray to gray green w/few small red spots
20% shale, bright red, soft, clayey, varigated, Trace of tan, glossy, porous angular quantity sandstone

2310-2380 100% shale, bright red to dark red, some varigated with green, some soft, clayey

2380-2410 100% shale, varigated, red to gray to green, soft waxy, clayey

Sample top of DeChelly Sandstone at 2410

2410-2430 10% sandstone, tan, fine to coarse grained, predominantly medium grained, poorly sorted, subrounded, argellaceous, with traces of glauconite.
90% shale, as above

2430-2440 20% sandstone, light gray to light brown, fine to medium grained with few large rounded grains, silty, argellaceous, fair to poor porosity, no shows
80% shale, red to green, varigated, waxy

2440-2480 5% sandstone, as above
95% shale, as above

2480-2490 100% shale, varigated, bright red to lavender, green to gray, clayey, soft

2490-2500 10% sandstone, as above
90% shale, as above

2500-2600 100% shale, red to green, varigated, clayey, soft with traces of sandstone

2600-2700 100% shale, varigated, gray to green, dark red to bright red, clayey to waxy

2700-2730 No samples

2730-2800 100% shale, as above

2800-2900 100% shale (or claystone), varigated, gray to green to pink to red to lavender. a/trace of lavender limestone.

2900-2970 100% shale (or claystone), varigated mottled gray to green to orange to red to lavender, clayey, waxy

2970-2990 100% shale, varigated, as above

Samples top of Cutler formation at 2910

2990-3100 100% shale, red to orange, clayey to silty

3100-3110 100% shale bright red to dark red-brown, clayey to silty, slightly calcarious, with traces of red shaly siltstone and gray crystaline limestone

Sample top of the Hermosa formation at 4510'

4510-4520 25% limestone, light gray, chalky to crystaline, dense, tight with dull yellow mineral fluorescence
10% siltstone, light gray, sandy, calcareous, dense tight
65% shale, as above

4520-4540 10% limestone, as above
10% siltstone, as above
80% shale, as above

4540-4550 100% shale, varigated, red to brown to gray, clayey to silty, slightly calcareous with traces of limestone and siltstones

4550-4560 10% limestone, gray, shaly to crystaline, hard, dense, tight with dull yellow mineral fluorescence
90% shale, as above

4560-4570 25% limestone, light gray to cream, sandy to chalky, hard, dense, tight with dull yellow mineral fluorescence
75% shale, as above

4570-4580 10% limestone, as above
90% shale, as above

4580-4610 100% shale, red to purple to gray, clayey to silty, slightly calcareous with limestone nodules

4610-4620 25% limestone, gray, lithographic to sandy to chalky, hard, dense, tight, with dull blue mineral fluorescence
75% shale, as above

4620-4630 100% shale, gray to dark red or purple, clayey, slightly calcareous with traces of limestone

4630-4640 10% limestone, gray to white, chalky to sandy, hard, dense, tight
90% shale, as above

4640-50 100% shale, dark gray to purple, calcareous, clayey to silty

4650-4670 100% limestone, white to light gray, sandy to microcrystaline to chalky dense, tight, with bright yellow mineral fluorescence, no cut

4670-4680 10% limestone as above
90% shale, gray, purple, dark red, clayey, some slightly calcareous

4680-4700 100% shale, as above with traces of limestone

4700-4740 100% shale, red to gray, varigated, calcareous, clayey with traces of orange translucent chert, and gray crystaline limestone

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4740-4760 10% limestone, light gray, lithographic to microcrystaline dense, tight with dull yellow mineral fluorescence.
90% shale, as above

4760-4770 15% limestone, as above
85% shale, as above

4770-4820 100% shale, gray to purple, clayey, slightly calcoreous with traces of limestone and orange chert

4820-4830 100% shale, dark red to gray to purple, slightly calcoreous, clayey

4830-4840 100% shale, as above with traces of limestone

4840-4850 10% limestone, white to light gray, sandy to crystaline to chalky, dense tight with dull yellow mineral fluorescence. No cut
90% shale, as above

4850-4860 25% limestone, as above
75% shale, as above

4860-4870 100% shale, gray to dark red, calcoreous, clayey

4870-4890 100% shale, gray to grey green, clayey

4890-4900 10% limestone, gray, microcrystaline, dense, tight, no shows
90% shale, as above

4900-4910 30% limestone, light gray, microcrystaline to chalky, dense, tight
No shows. Dull yellow mineral flourescence.
70% shale, light to dark grey, slightly calcoreous.

4910-4990 100% shale, light to dark grey, clayey, slightly calcoreous

4990-5030 10% limestone, white to light gray, dense, amorphous, tight with dull yellow mineral flourescence
90% shale, as above

5030-5100 100% shale, light to dark gray-green, slightly calcoreous, clayey

5100-5160 5% limestone, light gray, amorphous to chalky, dense, tight w/dull yellow mineral fluorescence
95% shale, as above

5160-5190 100% shale, gray to gray-green, clayey, slightly calcoreous

Sample top of Paradox formation at 5190'

5190-5200 5% limestone, light gray, crystaline to lithographic, dense, tight with dull yellow mineral fluorescence
95% shale, dark gray, clayey, calcoreous

5200-5230 25% limestone, as above
75% shale, as above

5230-5280 100% shale, light to dark gray, clayey, slightly calcoreous

5280-5310 5% limestone, light gray, chalky, dense, tight with dull yellow mineral fluorescence
95% shale, as above, traces of black, carbonoceous shale

5310-5320 15% limestone, light gray, chalky to crypocrystaline, hard, dense, tight with dull yellow mineral fluorescence
85% shale, gray to gray-green, clayey, slightly calcoreous

5320-5360 25% limestone, as above
75% shale, as above

5360-5370 10% limestone, as above
90% shale, as above

5370-5380 40% limestone, light, gray, microcrystaline to lighographic, chalky, dense, tight with dull yellow mineral fluorescence
60% shale, light to dark gray, calcoreous

5380-5400 100% limestone, light gray, sandy, microcrystaline, lithographic, dense, tight with dull yellow mineral fluorescence, no cut

5400-5410 40% limestone, as above
60% shale, gray calcoreous

5410-5420 10% limestone, as above
90% shale, as above

5420-5440 100% limestone, light to dark gray, crystaline, chalky, amorphous, dense, tight with dull yellow mineral fluorescence, no cut

5440-5450 40% limestone, as above
60% shale, gray, clayey, calcoreous

5450-5460 25% limestone, as above
75% shale, as above

5460-5470 100% shale, brown to gray

5470-5500 25% limestone, cream to light gray, cryptocrystaline to lithographic, hard, dense, tight
75% shale, gray to green, clayey, calcoreous

5500-5510 50% limestone, as above
50% shale, as above

5510-5520 100% limestone, light gray, chalky to microcrystaline, dense, tight with yellow fluorescence, no cut

5520-5530 10% limestone, as above
90% shale, light to dark gray, calcoreous

5530-5550 100% limestone, light gray, microcrystaline to cryptocrystaline to lithographic, dense, tight. No show

5550-5560 100% Limestone, as above

5560-5600 50% limestone, as above
50% shale, dark to light gray, calcoreous

5600-5610 25% limestone, light gray, microcrystaline to lithographic, hard, dense, tight with dull yellow fluorescence. No cut
75% shale, gray calcoreous

5610-5630 50% limestone, as above
50% shale, as above

5630-5660 100% limestone, light to dark gray, sandy, dolomite, to gray crystaline to white chalky. Some dull yellow mineral fluorescence, no shows

5660-5705 100% limestone, dolomite, gray, lithographic to microcrystaline, hard, dense, tight, with scattered oil stain and fluorescence

Core No. 1
5705-5750 Recovered 41' 4" gray calcoreous shale with limestone inclusions 16' limestone, tan to gray Microcrystaline to lithographic, massive, very hard, dense, tight with faint sulfur odor an fresh break 3' limestone, gray, microcrystaline, vugular with some porosity and spotty oil stain and bleed. 18' limestone, gray, lithographic, massive, dense, tight, no shows some vertical fractures

5750-5780 40% limestone, light to dark gray, lithographic to cryptocrystaline, hard, dense, tight with few scattered spotty oil stains fluorescence
60% shale, gray, waxy, calcoreous

5780-5830 100% limestone, light gray, chalky to microcrystaline, dense, tight with dull yellow mineral fluorescence

5830-5850 40% limestone, as above
60% shale, gray, clayey, calcoreous Trace orange chert

5850-5860 50% limestone, as above
50% shale, as above

Sample top of Pinkerton Trail formation at 5860'

5860-5900 100% limestone, white to light gray, lithographic, chalky, microcrystaline, dense, tight, some spotty fluorescence with good cut

5900-5910 90% limestone, as above
10% shale, gray, calcoreous

5910-5920 75% limestone, crystaline to chalky, traces of vugular porosity, traces of spotty fluorescence with faint cut
25% shale, gray-green, calcoreous Traces of translucent chert

5920-5930 50% limestone, as above
50% shale, as above

5930-5940 60% limestone, a s above
40% shale, as above

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5960-5960 75% limestone, as above
25% shale, as above

5960-5970 40% limestone, chalky, crystaline with trace of vugular porosity, no shows
60% shale, gray to gray green, calcoreous

5970-5980 100% limestone, tan to light gray, chalky to microcrystaline with traces of vugular porosity, with traces of vugular porosity

5980-6000 40% limestone, as above
60% shale, gray to gray-green, clayey, waxy, calcoreous

6000-6020 100% limestone, light gray to cream, sandy, crystaline, chalky, some pan point intercrystaline porosity No shows, trace of chert

6020-6030 30% limestone, light to drak gray, crystaline, white chalky, dense, tight, trace of chert
70% shale, varigated purple to brown to red to gray, waxy

6030-6040 100% limestone, light gray, crystaline to chalky, some sandy, dense, tight approximately 5% Fluorescent with good cut

6040-6050 50% limestone, as above
50% shale, gray, purple, red, green

Sample top of Holss Shale at 6050'

6050-6060 10% limestone, white to cream, microcrystaline to lithographic, dense, tight, no shows
90% shale, as above

6060-6080 100% shale, gray, purple, red, green, brown, calcoreous

6080-6090 90% shale, as above
10% limestone, cream to light gray, crystaline to chalky

6090-6100 100% shale, lavender, red, brown, gray, green

6100-6110 100% shale, as above, predominantly lavender

6110-6135 95% shale, as above
5% limestone, gray, crystaline to chalky, dense, tight, with traces of chert

6135-6150 100% shale, lavender, purple, gray, green with traces of limestone and orange chert

Sample top of Mississippian at 6150'

6150-6155 25% limestone, white to cream, chalky to crystaline. No apparent porosity, oil stain on fluorescence
75% shale, lavender, purple

6155-6160 100% limestone, as above

6160-6165' 25% limestone, as above
75% shale, as above

94

6165-6175 30% limestone, cream to buff, chalky to crystaline, dense, tight. No shows
70% shale, lavender to purple

6175-6180 100% limestone, tan to cream, microcrystaline to chalky, dense, tight
No shows.

6180-6200 10% limestone, as above
90% shale, lavender, purple

6200-6255 100% limestone, cream to buff, chalky to crystaline, dense, tight. No shows

6255-6260 10% dolomite, light gray, microcrystaline, with fair intercrystaline porosity. Bright yellow fluorescence, no cut
90% limestone, as above

6260-6270 No sample

6270-6290 100% dolomite, buff to tan microcrystaline. No shows

Core No. 2 6290'-6307'
Recovered 17' of gray to white coarsly crystaline dolomite with vugular porosity bleeding salt water

Core No. 3 6307-6321'
Recovered 14' of dolomite, gray, crystaline w/few small scattered vugs, No appreciable porosity. No shows

6325-6330 95% dolomite, cream to light gray, microcrystaline to megacrystaline, some sucrosic, hard, dense, w/some vugular porosity No shows
5% shale, light green, soft, clayey

6330-6335 100% dolomite, as above with dull yellow mineral fluorescence

6335-6340 60% dolomite as above
40% shale, gray to lavender to green, clayey,soft, waxy.

6340-6345 25% dolomite as above
75% shale, lavender to brown dolomite

6345-6350 50% dolomite, as above
50% shale, as above

6350-6360 75% shale, gray to lavender,
25% dolomite, cream, crystaline, dense, tight with bright to dull yellow mineral fluorescence. No cut

6360-6365 25% dolomite, cream sucrosic to crystaline w/very few pin points of vugular porosity. Dull to bright yellow mineral fluorescence. No apparent oil stain or cut
75% shale, lavender to gray, clayey, dolomite

6365-6370 75% dolomite, as above
25% shale, as above

6370-6375 50% dolomite, as above
50% shale, as above

6375-6400 100% dolomite, cream to tan to gray, microcrystaline, sucrosic, good intercrystaline and vugular porosity. Bright to dull yellow fluorescence. No cut.

6400-6410 100% dolomite, cream to buff, microcrystaline to lithographic porous to dense, dull yellow fluorescence, no apparent oil stain or cut.

6410-6445 Very poor samples
100% cavings - red shale

Sample top of Devonian at 6445'

6445-6455 25% limestone, gray, cryptocrystaline to lithographic, dense, tight
50% dolomite, as above
25% shale, gray, dolomite

6455-6500 100% limestone, light gray to cream, lithographic to cryptocrystaline, dense, tight, no shows, dull yellow mineral fluorescence

6500-6505 25% dolomite, gray, amorphous to cryptocrystaline, dense, tight, no shows
75% shale, gray to lavender, dolomite

6505-6510 50% dolomite, as above
50% shale, as above

Sample top of McCracken Sandstone @ 6510

6510-6520 5% sandstone, fine to coarse grained, rounded glassy, dolomite, very hard, dense, quartzisic, no shows
35% dolomite, as above
25% shale, as above
35% limestone, as above

6520-6525 Very poor sample
100% cavings

6525-6540 10% sandstone, glassy, clear, translucent, medium to coarse grained, rounded to sphrical clean, porous, slightly dolimite, quartizite
60% limestone, cream to buff, lithographic, hard, dense, tight with dull yellow fluorescence, no cut
30% shale, gray to green to lavender, clayey to calcoreous

6540-6580 25% sandstone, as above
40% limestone, as above
35% shale, as above

6580-6585 60% sandstone, white, glassy translucent, fine to coarse grained, poorly sorted, fairly clean, dolomite, slightly quartzitic, some porosity. Good fluorescence, no cut.
40% limestone, cream, lithographic sandy to crystaline, hard, dense, tight with dull to bright yellow fluorescence. No cut

6585-6590 35% sandstone, as above
35% limestone, as above
30% dolomite, cream to buff, microcrystaline, sandy, dense, tight

6590-6600 70% sandstone, with white to cream, dolomite, medium to coarse grained fairly clean, dense, grading into cream colored, sandy dolimite
30% limestone, as above

6600-6605 40% limestone, cream, cryptocrystaline, hard, dense, tight with good fluorescence, no apparent cut
30% dolomite, cream to buff, sandy
30% sandstone, cream, fine to medium grained, dolomite with good fluorescence, no cut.

6605-6610 70% limestone, gray to cream, crystaline, dense, tight
20% dolomite, cream, sandy, dense, tight
10% sandstone, white to cream, subrounded, dolomite. Good fluorescence, No apparent cut

6610-6620 40% shale, lavender to purple, clayey
30% sandstone, as above
20% limestone, as above
10% dolomite, sandy, fluorescent

6620-6630 60% shale, purple to brown silty to clayey
20% sandstone, white, fine grained, dolomite, dense, tight
20% limestone, gray, crystaline, fluorescent. No cut

6630-6635 10% sandstone, as above
10% limestone, as above
80% shale, as above

6635-6640 80% shale, green waxy to gray and lavender
10% limestone, cream, crystaline, dense, tight, good fluorescence, no cut
10% sandstone, buff to white, fine grained, dolomite, dense, tight. Good fluorescence, no cut

6640-6650 100% shale, light green, soft, clayey, waxy with traces of sandstone and limestone

6650-6670 10% limestone, cream, crystaline, dense, tight
5% sandstone, light gray to pink, dense, tight
85% shale, as above

6670-6675 100% shale, gray to green to lavender, silty to clayey with traces of limestone and sandstone

6675-6695 10% sandstone, white, glassy, fine to coarse grained, poorly sorted, porous to tight, clean, dolomite
90% shale, as above, with traces of limestone

6695-6700 25% sandstone, white, glassy, translucent, coarse grained, subangular to angular, clean, dolomite, porous with good fluorescence, no cut
75% shale, as above

6700-6720 5% sandstone, as above
5% limestone
90% shale, gray to green to lavender, clayey

6720-6735 100% shale, as above, gray to lavender, primarily lavender with traces of sandstone and limestone

6735-6740 60% sandstone, glassy, translucent, clean, coarse grained, angular to subangular, porous, slightly dolomite, no shows

	10% limestone, cream, crystaline, dense, tight 30% shale, as above
6740-6745	10% limestone, as above 10% sandstone, as above 80% shale, as above
6745-6750	40% sandstone, as above 10% limestone, as above 50% shale, as above
6750-6755	70% limestone, light gray to cream, micro to cryptocrystaline, dense, tight with dull yellow mineral fluorescence 30% sandstone, white, glassy, medium to coarse grained, clean porous
6755-6760	60% limestone, as above 40% sandstone, as above
6760-6765	100% shale, gray to lavender, clayey, slightly calcoreous
6765-6830	100% sandstone, white to pink, medium to coarse grained, conglomeratic, glassy, translucent, subangular to angular, porous, clean. No apparent oil stain or fluorescence
6830-6860	100% sandstone, as above w/traces of green shale
6860-6865	100% sandstone, white to pink to orange, glassy, translucent, angular to subangular, to coarse grained, poorly sorted, slightly argellaceous, fairly clean, porous. No shows
6865-6870	100% sandstone w/traces of red shale
6870-6875	65% sandstone, as above 25% shale, bright red clayey 10% limestone, white to pink, dense, crystaline, tight 10% limestone, white to pink, dense
6875-6880	10% limestone, as above 40% sandstone, as above 50% shale, as above
6880-6885	50% shale, brick red, sandy granite wash 50% pink to red, shaley coarse grained, angular, poorly sorted, argillaceous
6885-6900	100% Granite wash, as above

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

NAME OF COMPANY OR OPERATOR: E. B. LaRue, Jr.

DATE: August 6, 1959

Address: P. O. Box 209 City: Athens State: Texas

DESCRIPTION OF WELL AND LEASE

Name of lease: Navajo

Well number: No. 1

Elevation (ground): 5580'

Well location (give footage from section lines): NW/4 NW/4 660' E of WL & 660' S of NL

Section—township—range or block & survey: 18 40N 28E

Field & reservoir (If wildcat, so state): Wildcat

County: Apache County

Distance, in miles, and direction from nearest town or post office: 40 miles west of Shiprock, New Mexico

Nearest distance from proposed location to property or lease line: 660 feet

Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: None feet

Proposed depth: 7300' or Devonian

Rotary or cable tools: Rotary

Approx. date work will start: August 11, 1959

Number of acres in lease: 2560

Number of wells on lease, including this well, completed in or drilling to this reservoir: No other

If lease, purchased with one or more wells drilled, from whom purchased: Name / Address

Farmout from Zapata Petroleum Corp., No other wells drilled

Status of bond: Now being issued by Travelers Insurance Company

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

• Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the sole owner of the E. B. LaRue, Jr. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

August 6, 1959
Date

E. B. LaRue Jr.
Signature

Permit Number: 94

Approval Date: August 28, 1959

Approved By: M Wharton

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

See Instruction on Reverse Side of Form

OIL & GAS CONSERVATION COMMISSION

STATE OF ARIZONA

Application to Drill, Deepen or Plug Back

Form No. P-1 File two copies

Authorized by Order No. 4-6-59

Effective April 6, 19 59

OK 8/11/59

94

INSTRUCTIONS

READ CAREFULLY AND COMPLY FULLY

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9-5/8"	32 #	H40			0 to 200'	160

Form No. P-1

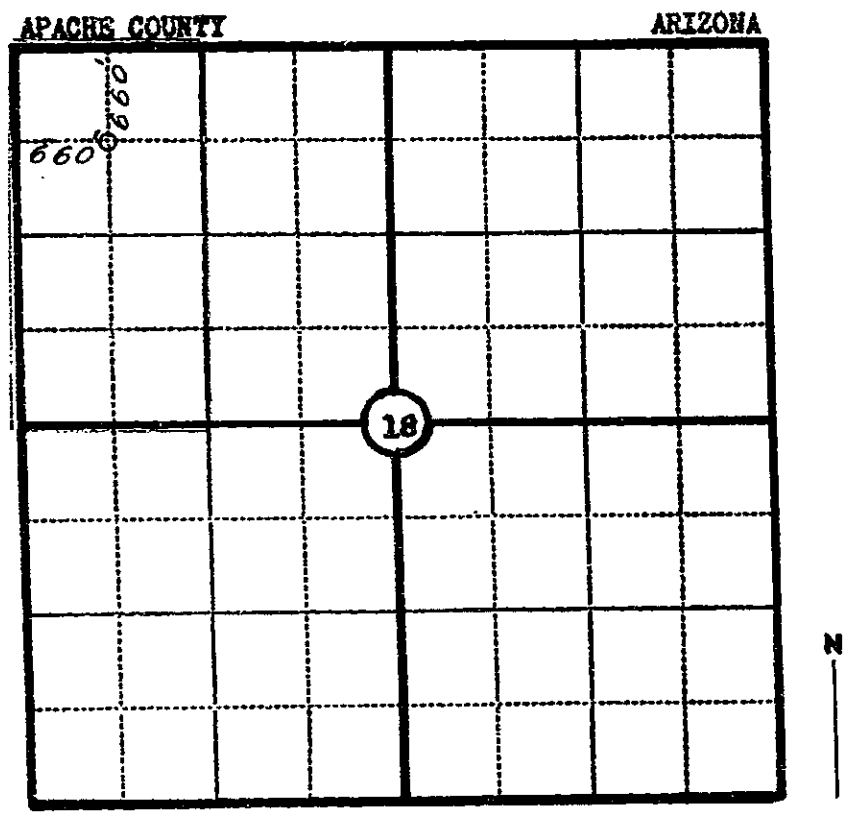
Company E. B. LARUE, Jr.

Lease ..... Well No. .....

Sec. 18, T. 40 NORTH, R. 28 EAST, G&SRM

Location 660' FROM THE NORTH LINE AND 660' FROM THE WEST LINE

Elevation 5580.0 UNGRADED GROUND



Scale—4 inches equal 1 mile

This is to certify that the above plat was prepared from field note of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

REGISTERED LAND SURVEYOR
CERTIFICATE EXPIRES
JAMES P. LEESE
DEC. 31. 1959
ARIZONA U.S.A.

Seal:

James P. Leese

Registered Land Surveyor.
James P. Leese
Ariz. Reg. No. 1849

Surveyed 8 July, 19 59

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

94

160000

4/20

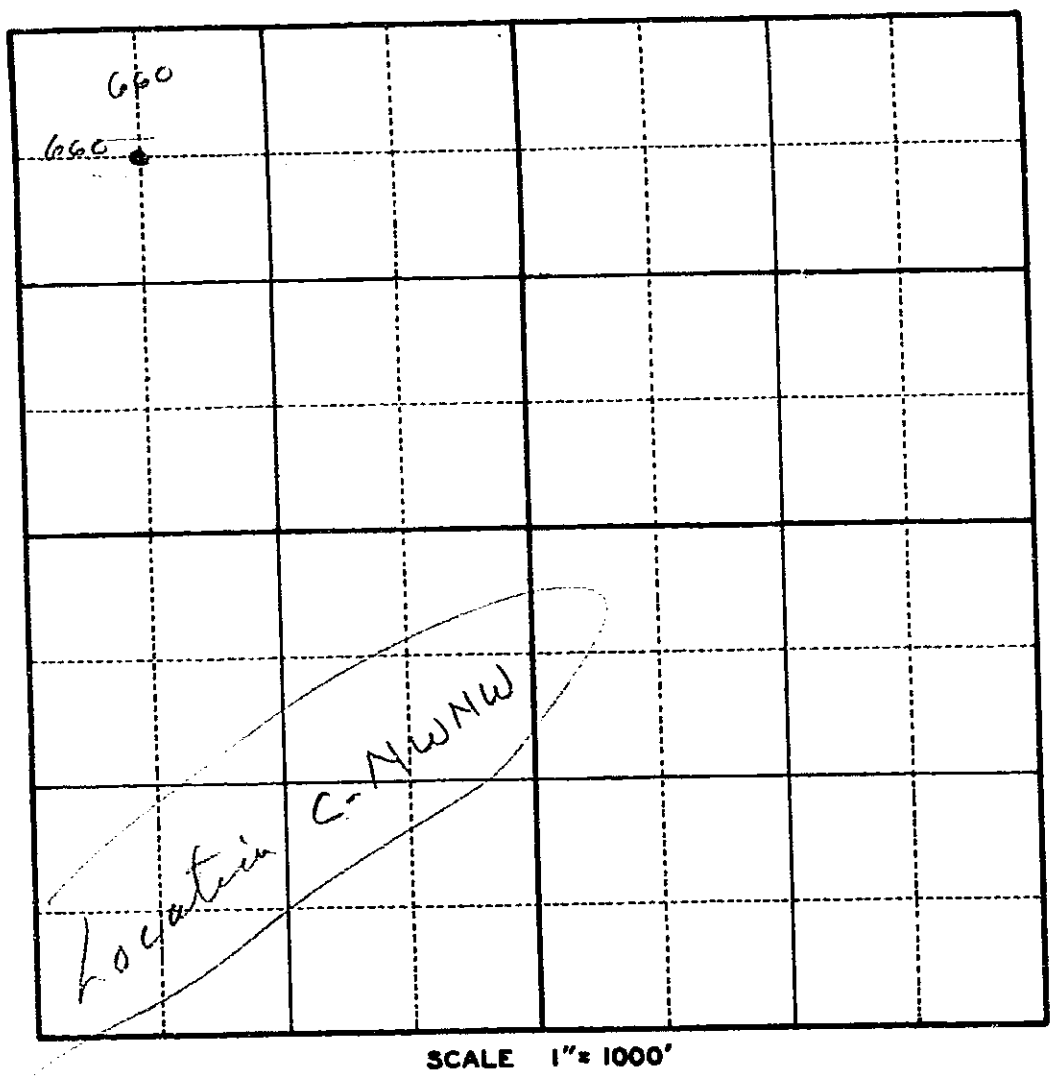
La Rue

drill pipe on location, location messy,
no marker, cellar not filled
water tank on location
dog house being stripped

94

Emery 7/31/59

SEC. 18 T 40 N R 28 E



SCALE 1" = 1000'

ABSTRACTED _____ AREA _____

PLAT OF SURVEY FILED _____

E. B. LaRue Jr.
Box 209
Athens, Texas

7300' Devonian
Test

94

A-FORM 991

7/31 Evening

E. B. LaRue Jr.

Box 209
Athens Tex

C-NW NW
18
40N
78E
#1 Hav.

[redacted]

EL
5580 Dev. Test 7300 T.D

Kelvin + Pogo

94

Operator E. B. LaRue, Jr.

Bond Company Travelers Indemnity Company Amount $10,000

Bond No. 93118 Date Approved 10-5-61

Permits covered by this bond:

165 see this file

166

~~94~~ (This well drilled P&A, under bond 939185, cancelled 4-3-66)

168

CANCELLED

DATE 4-8-63

BOND

KNOW ALL MEN BY THESE PRESENTS,

That we: E. B. LaRue, Jr. - Athens, Texas

of the County of: Henderson in the State of: Texas

as Principal,
and Old Colony Insurance Company

of Boston, Massachusetts
authorized to do business within the State of Arizona,

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

Center of the NW/4 of the NW/4 of Sec. 18 T 40 N R 28E Apache County, Arizona
(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the State Land Commissioner, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the State Land Commissioner all notices and records required by said Commissioner, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Two Thousand Five Hundred and No/100ths----------($2,500.00)

Witness our hands and seals, this 11th day of August 1959

E. B. LaRue, Jr.
E. B. LaRue, Jr.
Principal

Witness our hands and seals, this 11th day of August, 1959

COUNTERSIGNED:
By

OLD COLONY INSURANCE COMPANY
By Gloria W. Ivey
Gloria W Ivey-Attorney in Fact
Surety

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved August 28, 1959
Date

M. Wharton
~~STATE LAND COMMISSIONER~~
Chairman, Oil & Gas Conservation Commission

CANCELLED

Form P-2

94 DATE 11-3-61

OLD COLONY INSURANCE COMPANY

BOSTON, MASSACHUSETTS

No. 512

POWER OF ATTORNEY

CERTIFIED COPY

Know All Men By These Presents: That the **OLD COLONY INSURANCE COMPANY,** a corporation of the Commonwealth of Massachusetts, pursuant to the following resolution, which was made by the Board of Directors of the said Company on November 8, 1949, to wit:

> "Resolved, that the President or any Vice-President, in conjunction with the Secretary or any Assistant Secretary, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected Officers of the Company in their own proper persons."

hath made, constituted and appointed and by these presents does make, constitute and appoint Gloria W. Ivey its true and lawful Attorney(s)-in-fact, at Dallas, in the State of Texas, to make, execute and deliver on its behalf as Surety, bonds and undertakings, the penal sum of no one of which is in any event, to exceed One-Hundred Thousand ($ 100,000.) Dollars and to be given for the following purposes only, to wit:—

GUARANTEEING THE FIDELITY OF PERSONS HOLDING PLACES OF PUBLIC OR PRIVATE TRUST. GUARANTEEING THE PERFORMANCE OF CONTRACTS OTHER THAN INSURANCE POLICIES: AND EXECUTING OR GUARANTEEING BONDS AND UNDERTAKINGS REQUIRED OR PERMITTED IN ALL ACTIONS OR PROCEEDINGS OR BY LAW REQUIRED.

Such bonds and undertakings for said purposes, when duly executed by one of the aforesaid Attorney(s)-in-fact shall be binding upon the said Company as fully and to the same extent as if such bonds and undertakings were signed by the President and Secretary of the Company and sealed with its corporate seal.

In Witness Whereof, the **OLD COLONY INSURANCE COMPANY** has caused these presents to be signed by its Vice-President, and its corporate seal to be hereunto affixed duly attested by its Secretary, this 21st day of April 19 58, in the City of Boston, Massachusetts.

Attest: W. Richard Webster
Secretary.

OLD COLONY INSURANCE COMPANY
By W. H. Mosher
Vice-President.

Commonwealth of Massachusetts
County of Suffolk } ss.:

On this 21st day of April, 19 58, before me personally appeared W. H. Mosher, Vice-President of the **OLD COLONY INSURANCE COMPANY** with whom I am personally acquainted, who, being by me duly sworn, said: that he resides in the Commonwealth of Massachusetts; that he is Vice-President of the **OLD COLONY INSURANCE COMPANY,** the corporation described in and which executed the foregoing instrument; that he knows the corporate seal of the said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto as Vice-President of said Company by like authority.

[SEAL]

EILEEN D. SULLIVAN NOTARY PUBLIC COMMONWEALTH OF MASSACHUSETTS U.S.A. - MY - COMMISSION EXPIRES OCT. 7 1961

Eileen D. Sullivan
Notary Public.

My commission expires October 7, 1961

Commonwealth of Massachusetts
County of Suffolk } ss.:

I, W. Richard Webster Secretary of the **OLD COLONY INSURANCE COMPANY,** a corporation of the Commonwealth of Massachusetts, do hereby certify that the above and foregoing is a full, true and correct copy of Power of Attorney issued by said **OLD COLONY INSURANCE COMPANY,** and that I have compared same with the original and that it is a correct transcript therefrom and of the whole of the original. Said Power of Attorney is still in full force and effect and has not been revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of said Company at the City of Boston, this 11th day of August, 1959.

W. Richard Webster
Secretary.

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W. Richard Webster

L-34 PRINTED IN U.S.A.

April 8, 1963

The Travelers Indemnity Company
1412 Main Street
Dallas 2, Texas

Attention: Mr. William R. Snow, Field Supervisor

Re: Mr. R. B. La Rue, Jr. Blanket Bond No. 93118, for
#1 Dinne Sec. 33, T41N, R26E
#2 Dinne Sec. 22, T41N, R27E
#1 Toh - Atin Sec. 29, T41N, R29E
#2 Navajo Sec. 18, T40N, R28E

Gentlemen:

Following our letter to you dated February 7, 1963 relative to your company's blanket bond No. 93118 with Mr. R. B. La Rue, Jr. as principal, please be advised that Mr. La Rue has complied with all of the requirements as to filing the necessary forms required by this commission and it is in order that the bond issued by your company may be cancelled and terminated.

Yours very truly,

N. A. Ludewick
Executive Secretary

cc Mr. R. B. La Rue, Jr.
2422 Republic National Bank Building
Dallas, Texas

February 7, 1963

The Travelers
1412 Main Street
Dallas 2, Texas

Attention: Mr. William R. Snow, Field Supervisor

Re: Mr. E. B. LaRue, Jr., Blanket Bond No. 93118

Gentlemen:

We are replying to your letter of February 1, 1963 relative to the cancellation of the above bond.

Mr. LaRue drilled four wells in this state covered by the captioned bond, namely:

#1 Dinne, Sec. 23, T41N, R26E
#2 Dinne, Sec. 22, T41N, R27E
#1 Toh-Atin, Sec. 22, T41N, R29E
Navajo #1, Sec. 18, T40N, R28E

All in Apache County, Arizona.

We have repeatedly requested that Mr. LaRue furnish us required information showing the completion and plugging of these wells which is a prerequisite under the rules and regulations of this commission before a bond can be released. The last communication we had from Mr. LaRue was dated March 15, 1962 in which he furnished us a copy of the log on his #1 Dinne well.

At such time as Mr. LaRue furnishes this office with the completion and plugging forms, properly filled out and executed by him, we will be glad to release your company from further liability under this bond.

Yours very truly,

N. A. Ludovich
Executive Secretary

cc: Mr. E. B. LaRue, Jr.

94

October 26, 1960

Mr. E. B. LaRue
Western States Petroleum Co.
P. O. Box 667
Athens, Texas

Dear Mr. LaRue:

Enclosed are the required forms which are to be filled out in triplicate. An approved copy will be returned to you for your files upon receipt of the above forms.

Also enclosed are two copies of our rules and regulations.

We will appreciate your attending to this matter as soon as possible. Please call on us if we can be of assistance.

Yours very truly,

W. F. Maule
Petroleum Engineer

EW
Enclosures

94

DOMESTIC SERVICE	
Check the class of service desired; otherwise this message will be sent as a fast telegram	
TELEGRAM	
DAY LETTER	
NIGHT LETTER	

$ S E

WESTERN UNION TELEGRAM

1206 (4-55)

W. P. MARSHALL, PRESIDENT

INTERNATIONAL SERVICE	
Check the class of service desired; otherwise the message will be sent at the full rate	
FULL RATE	
LETTER TELEGRAM	
SHORE-SHIP	

NO. WDS.-CL. OF SVC.	PD. OR COLL.	CASH NO.	CHARGE TO THE ACCOUNT OF	TIME FILED

Send the following message, subject to the terms on back hereof, which are hereby agreed to

From:
Athens
Texas -

Oct. 26 -

to Bill M.

Upon receipt of your well forms, Western States Petroleum will proceed with filing same.

Western States
Petroleum Co.

94

October 21, 1960

Floyd West & Company
Insurance Managers
2103 Bryan Street
P. O. Box 2639
Dallas 21, Texas

Attention: Miss Geneva Waddle
Fidelity and Surety Department

Dear Miss Waddle:

Enclosed are six (6) copies of the bond forms required by this Commission as requested in your letter of October 19, 1960, for Mr. Frank LaRue, Athens, Texas.

Yours very truly,

D. A. Jerome
Executive Secretary

By: W. F. Maule
Petroleum Engineer

WFM/ew

94

FLOYD WEST & COMPANY

INSURANCE MAN

DALLAS, TEX

AFTER FIVE DAYS RETURN TO
FLOYD WEST & COMPANY
INSURANCE MANAGERS
2103 Bryan Street, P. O. Box 2639
DALLAS 21, TEXAS

October 19, 1960

W. F. Maule
Oil and Gas Conservation Commission
State of Arizona
3500 N. Central-Suite 312
Phoeniz, Arizona

94

E. B LaRue, Jr.
Drilling Bond

Dear Sir:

Please send a small supply of the bond forms used by Mr. LaRue for drilling bonds, to the State of Arizona.

Thank you.

Best regards,

Geneva Waddle

Geneva Waddle
Fidelity & Surety Dept.

gw

Frank LaRue
Athens, Texas

RECEIVED
OCT 21 1960
STATE O & G
CONS. COMM.

94

September 22, 1960

Miss Geneva Waddle
Fidelity & Surety Dept.
Floyd West & Company
2103 Bryan Street
Dallas 21, Texas

Dear Miss Waddle:

We have had no communication with Mr. LaRue and to the best of my knowledge and belief, the location has not been cleaned up and we cannot therefore release the bond.

Yours very truly,

W. F. Maule
Petroleum Engineer

wfm/ew

94

OFFICE OF
State Land Department
STATE OF ARIZONA
Phoenix, Arizona

OBED M. LASSEN
STATE LAND COMMISSIONER

September 20, 1960

Geneva Waddle, Fidelity & Surety Dept.
Floyd West & Company
2103 Bryan Street
Dallas 21, Texas

Dear Mrs. Waddle:

Reference is made to your letter of July 18, 1960, regarding Bond C 939185, E. B. LaRue, Jr.

The oil and gas conservation function of this office was transferred by Legislation effective July 1, 1959, to the Oil and Gas Conservation Commission of the State of Arizona.

Your letter is being forwarded to that office at 3500 North Central Avenue, Suite 312, Phoenix, Arizona, for suitable action.

Yours very truly,

F. C. RYAN
Supervisor, Mineral, Oil & Gas
Production Division

FCR:jb

CC: Oil & Gas Conservation
Commission

94

July 18, 1960

Form 805

IMPORTANT

No answer received.
For your convenience here is a copy.
An early reply will help improve our service to all concerned.

FLOYD WEST & CO.
Insurance Managers
Dallas, Texas

State Land Commissioner
State of Arizona
Phoenix, Arizona

Bond C 939185 E B La Rue, Jr.
Athens, Texas-Drilling Bond

Dear Sir:

Our agent has advised that this bond is no longer needed.
Please advise when we may close our file for this assured.

Thank you.

Geneva Waddle
Fidelity & Surety Dept.

gw

cc: Frank LaRue Ins.
Athens, Texas

9/16/60
May we have a release
at this time.
Thank you.
Geneva Waddle

94

AFTER FIVE DAYS RETURN TO

FLOYD WEST & COMPANY

INSURANCE MANAGERS

2103 Bryan Street, P. O. Box 2639

DALLAS 21, TEXAS

IF IT'S INSURABLE —
WE HAVE
A POLICY FOR IT

DALLAS TEXAS SEP 16 '60 U.S. POSTAGE 04 PB METER P.B. 326611

RECEIVED
SEP 1 1960
STATE LAND DEPT.
OF ARIZONA

July 22nd, 1960

Floyd West & Company
Insurance Managers
Dallas, Texas

Attention: Miss Geneva Waddle
Fidelity & Surety Dept.

Re: Bond C 939185 E B La Rue Jr.
Athens, Texas - Drilling Bond

Dear Miss Waddle:

It is necessary to keep the bond on the above well in full force and effect until released by the State of Arizona.

Mr. La Rue has been advised that upon removing his rig and equipment and marking the well as prescribed by the rules and regulations of Arizona, the bond will be released. At that time we will notify your office.

Yours very truly,

W. F. Maule
Petroleum Engineer

WFM/ew

2103 Bryan St.
Dallas 1, Texas
P O Box 2639

94

FLOYD WEST & COMPANY

INSURANCE MANAGERS

DALLAS, TEXAS

July 18, 1960

State Land Commissioner
State of Arizona
Phoenix, Arizona

Bond C 939185 E B La Rue, Jr.
Athens, ~~Texas~~-Drilling Bond

Dear Sir:

Our agent has advised that this bond is no longer needed.
Please advise when we may close our file for this assured.

Thank you.

Geneva Waddle

Geneva Waddle
Fidelity & Surety Dept.

gw

cc: Frank LaRue Ins.
Athens, Texas

RECEIVED
JUL 21 1960
STATE O & G
CONS. COMM.

RECEIVED
JUL 20 1960
STATE LAND
DEPT.

10480

94

April 28, 1960

Mr. E. B. LaRue
P. O. Box 209
Athens, Texas

Dear Mr. LaRue:

I visited the location of your Navajo #1, Sec. 18-40N-28E., Apache County, Arizona well, on April 23, and find these conditions: No well masher, drill pipe, drill collers, water tank, cable and other miscellaneous items on location.

I talked with P. T. McGrath, U.S.G.S. District Engineer, Farmington, New Mexico, who said he had discussed these conditions with you, and that they would be corrected. Will you notify this office, when the location is cleared, in order that we may release your bond.

For your information, you should do something about the rig that is stacked there, if it is yours. The dog houses are pretty well stripped of lumber, and the equipment scattered.

Sincerely yours,

W. F. Maule,
Petroleum Engineer

WFM:mmr

94

April 28, 1960

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P. O. Box 209
Athens, Texas

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Sincerely yours,

W. F. Maule,
Petroleum Engineer

WFM:mmr

94

E. B. LARUE, JR.
FIRST NATIONAL BANK BUILDING
P. O. BOX 209
ATHENS, TEXAS

April 14, 1960

Mr. W. F. Maule, Petroleum Engineer
Oil & Gas Conservation Commission
3500 North Central
Phoenix, Arizona

Dear Mr. Maule:

In reply to your letter of April 11, please accept our apologies for the omissions. Enclosed are copies of the logs.

In connection with samples, we never received a request from the Commission for samples of cuttings or cores. However, we were prepared to furnish the samples to the Commission at all times during the drilling of the well, and we maintained a complete set at the well site for this purpose. Because of the prohibited storage problem created, we have never attempted to keep sets of samples in our office after a well is finished. Instead we keep in our files a description of the samples. For your convenience, a copy of the samples from the subject well is enclosed.

I hope that these items will take care of your needs.

Yours very truly,

E. B. LaRue Jr.

E. B. LaRue, Jr.

EBL,Jr/bem

Enclosures

94

SIGNED "W. F. MAULE" & MAILED MON. 4/11/60-MR

XXXXXXXXXXXX

April 11, 1960

Anthony T. Deddens
Member

Mr. E. B. LaRue, Jr.
P. O. Box 209
Athens, Texas

Dear Mr. LaRue:

We are returning the Application to Abandon, Form 15-A, and Plugging Record, Form P-15, on your Navajo #1 Well, Navajo County, Arizona, for completion.

We invite your attention to Rule #119, regarding logs, samples etc. taken on wells.

Yours very truly,

W. F. Maule,
Petroleum Engineer

WFM:mmr

Enclosures: Plugging Record (3)
Application to Abandon & Plug (3)
RULES & REGULATIONS (also included copy)

94

XXXXXXXXXXXX

April 6, 1960

Anthony T. Deddens
Member

Mr. E. B. LaRue, Jr.
P. O. Box 209
Athens, Texas

Dear Mr. LaRue:

We are writing you in regard to your Navajo #1 Well, Sec. 18 - 40 N. - 28 E., Apache County, Arizona. It is our understanding that you have plugged and abandoned this location. To complete your well file, it will be necessary for you to complete the enclosed forms, Application to Abandon & Plug, Form No. 15A, and Plugging Record, Form No. P-15, in triplicate, and forward to this office, together with logs, samples, drill stem tests etc. that have been made on the well.

Upon receipt and approval of the above named forms and geological information, we will release your bond, in the amount of $2,500.00 to the State of Arizona.

We sincerely hope you will consider our State, in your future drilling program. If we can be of assistance, please call our office.

Sincerely yours,

W. F. Maule,
Petroleum Engineer

WFM:mar

Enclosures: Plugging Record Form No. P-15 (3)
Application to Abandon & Plug Form 15A (3)

94

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 965
Farmington, New Mexico

April 4, 1960

State of Arizona
Oil & Gas Conservation Commission
3500 North Central
Phoenix, Arizona

Attn: W. F. Maule

Dear Bill:

E. B. LaRue, Jr. well No. 1 Navajo, located in the NW¼ NW¼ sec. 18, T. 40 N., R. 28 E., Apache County, Arizona, has been plugged and abandoned but the abandonment has not been approved. It was inspected in December of last year and the location had not been cleaned up. LaRue has been notified that the location must be cleaned up, however, we have not made another inspection to date.

The well we were talking about east of Springerville is the Mae Belcher No. 1 State, located 1980 feet from the north and west lines of sec. 20, T. 9 N., R. 31 E., Apache County, Arizona. This well was drilled to a total depth of 2921 feet in Granite Wash during the period Dec. 20, 1958 to May 3, 1959. Sample tops are as follows:

Surface - Shinarump	
Base Cretaceous -	375 feet
San Andres -	775 feet
Glorietta -	1079 feet
Fort Apache -	1990 feet
Granite Wash -	2880 feet

I hope this information will be useful to you and if there is anything else we can help you with please let us know.

I enjoyed our visit and hope to see you again soon.

Very truly yours,

P. T. McGrath

P. T. McGrath
District Engineer

94

Form letter sent February 25, 1960 by instructions of Petroleum Engineer, W. F. Maule

gg

94

February 2, 1960

E. B. La Rue, Jr.
P.O. Box 209
Athens, Texas

RE: Navajo # 1
18 - 40N. - 28E.

Dear Mr. La Rue,

Enclosed herewith, is your receipt for Drilling Permit No. 94, in the amount of $ 25.00, dated August 10, 1959.

Yours very truly,

William F. Maule,
Petroleum Engineer

WFM:gg

94

FLOYD WEST & COMPANY

INSURANCE MANAGERS

DALLAS, TEXAS

August 26, 1959

CERTIFIED MAIL

State Land Commissioner
State of Arizona
Phoenix, Arizona

Re: Bond C 939185 E B LaRue, Jr.
Athens, Texas - Drilling Bond

Dear Sir:

We enclose the captioned bond for filing with your department and trust that you will find it acceptable for filing.

Sincerely,

Gloria W Ivey

Gloria W Ivey
Fidelity & Surety Dept

gwi
encl

94

E. B. LaRue, Jr.
FIRST NATIONAL BANK BUILDING
P. O. BOX 209
ATHENS, TEXAS

August 18, 1959

Mr. Frederick C. Ryan,
Acting Executive Secretary
Oil & Gas Conservation Commission
State of Arizona
Phoenix, Arizona

Dear Mr. Ryan:

In reply to your letter of August 13, I am enclosing the requested plat.

Yours very truly,

E. B. LaRue, Jr.

E. B. LaRue, Jr.

EBL,Jr/bem

Enclosure

94

000091

August 13, 1959

Mr. E. B. LaRue, Jr.,
P. O. Box 209
Athens, Texas

Dear Mr. LaRue:

This is to acknowledge receipt of the application to drill and permit fee for your Navajo #1, Section 18, Township 40 North, Range 28 East, Apache County, Arizona.

The application is in good order with the exception of the required plat. Please file with us, as soon as practicable, a plat as outlined on the reverse of the P-1 form showing distances and eighty acre dedication.

In the meantime, as soon as the bond is posted, permit will issue.

Thank you for your cooperation. If we can be of assistance in any way, please call on us.

Very truly yours,

OIL AND GAS CONSERVATION COMMISSION

Frederick C. Ryan,
Acting Executive Secretary

FCR:mb

94

August 3, 1959

Mr. E. B. LaRue, Jr.,
First National Bank Building
P. O. Box 209
Athens, Texas

Dear Mr. LaRue:

Thank you for your letter of July 31st in regard to your location in Apache County.

Transmitted herewith are the necessary forms required by this office together with two sets of Rules. The latter will provide information pertinent to the manner of filing your application.

Inasmuch as this office has been operating as the Oil and Gas Conservation since July 1st, please make your permit fee payable to that agency.

If we can be of further assistance, please call on us.

Very truly yours,

OIL AND GAS CONSERVATION COMMISSION

Frederick C. Ryan,
Acting Executive Secretary

FCR:mb
Encls.

94

E. B. LaRue, Jr.
FIRST NATIONAL BANK BUILDING
P. O. BOX 209
ATHENS, TEXAS

July 31, 1959

Mr. Fritz Ryan
Oil & Gas Division
State Land Office
Phoenix, Arizona

Dear Mr. Ryan:

I am planning to drill a well in the center of the NW/4 of the NW/4 of Section 18, T40N R28E, Apache County, Arizona, to a maximum depth of 7300' or into the Devonian. I would like to make application with your agency for drilling this well and I will appreciate your sending me the necessary forms.

Yours very truly,

E. B. LaRue Jr.

E. B. LaRue, Jr.

EBL, Jr/bem

94

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