



Red Land of East Texas

Al Richardson

The **LUFKIN** Line

WINTER • 1979



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Cable: "Luffo" Houston

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CONVENTIONAL

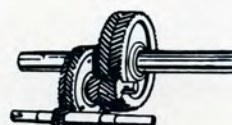


AIR BALANCED



MARK II

OIL FIELD PUMPING UNITS



GEARS FOR INDUSTRY
AND SHIP PROPULSION

ROCKY MOUNTAIN DIVISION ISSUE

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COVER:

Red Land of East Texas
—Al Richardson, Artist
Bellaire, Texas
(A limited number of framing re-
productions is available upon re-
quest to the Editor)

OPPOSITE PAGE:

Oxbow Bend, Grand
Teton National Park, Wyo.
—Robert F. Campbell,
photographer, Concord,
California

INSIDE BACK COVER: Color transparency by William L.
Hamilton, New Smyrna Beach,
Florida



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The Tetons

There is a moment at a certain curve and rise in the road when they come into view. They strike the senses almost unmercifully upon first sight. They are like no other mountains.

They are the Grand Tetons.

This East entrance to the Grand Teton National Park is breathtaking. Man must search his language for proper words to describe this vista. Far below is green and forest-belted Jackson Hole dotted with deep blue lakes and criss-crossed by foaming streams and clear rivers. Reigning above it all are the almost ethereal Tetons, smoky blue with distance and white tipped by snow. Their beauty is awesome and inspiring. And the land they soar above perfectly compliments their uniqueness.

The name "Grand Tetons" has an intriguing touch of ribald. French trappers who opened the area led a lonely life. The three peaks—the Grand, Middle and South Tetons—reminded them of the shape of women's breasts, and so they labeled them *Les Trois Tetons*.

The Grand Tetons are among the noblest creations in the American West. They rise a sheer 7000 feet from a level valley floor in a congregation of blue-gray pyramids. They tower above the sagebrush flats and morainal lakes. The snowfields and small glaciers that hang on the peaks, the U-shaped canyons with cirques at the heads, and the terminal moraines that rim the large lakes in the basin are ample evidence of the tremendous forces that shaped this landscape during the ice age. This process of building and movement of glaciers is being continued today even some 250,000 years after it first began. This detailed sculpturing resulted in the noble spires

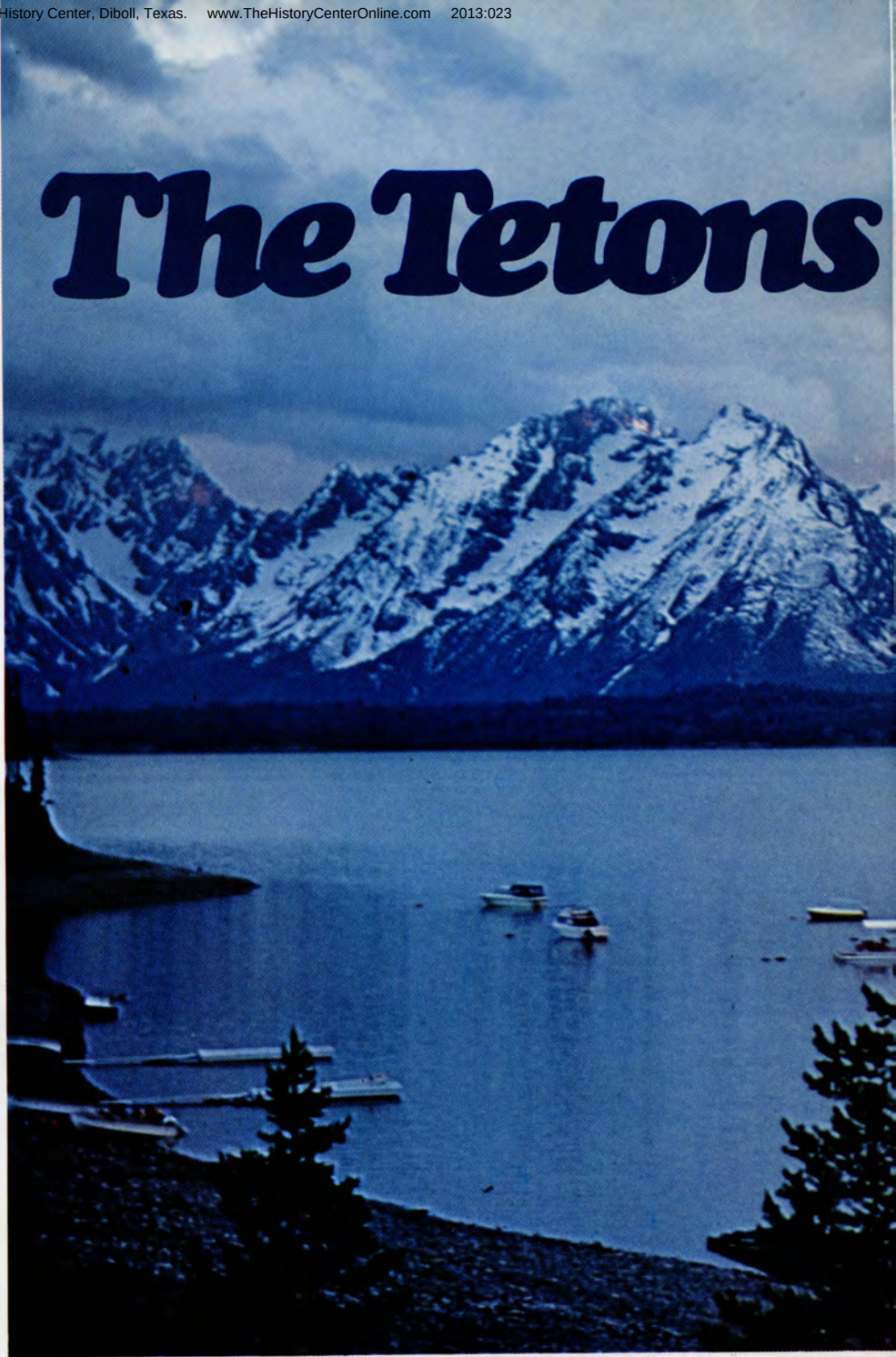
which extend along the range and culminate in the majestic cathedral-like pinnacle of Grand Teton, the noblest peak which soars 13,770 feet above sea level.

Beneath their spectacular peaks there lies the valley floor. Somewhere in the Park, there always is a wildflower show—the vivid yellow of balsamroot, the brilliant red of scarlet gilia and the deep blue of gentian. From early-spring buttercups to late-autumn asters, there is a veritable parade of flowers, each in its proper time and proper place.

This valley of flowers is surrounded by extensive forests of pine, fir, spruce, cot-

tonwood and aspen. And through it all winds the incomparable Snake River.

There are many ways to experience this country: by foot along the more than 200 miles of well-maintained trails for this is a hiker's Park; by horseback around the lakes, across the flats, up into the hills or out into the back country; by auto, bicycle or motorcycle along the roads that offer breathtaking vistas at almost every turn; by boat for rides on Jackson and Jenny Lakes, or quiet float trips down the Snake River; by cross-country skiing or snowmobiling during winter when the Park takes on a new face; and even by



& Their Valley



airplane for a thrilling sight over the peaks of the majestic Tetons.

These views will enrich life as long as they are remembered.

All of Grand Teton National Park is a sanctuary. A pond-side vigil might be rewarded by the sight of feeding moose. But if no moose appear, the vigil itself, in this land of almost unbelievable solitude and beauty, will be an enjoyable experience.

Mule deer range from the lowest parts of the valley all the way to the tree line. The chipmunk, golden-mantled ground squirrel and other smaller mammals are

surprisingly bold.

Among the barren rocks live pika (cony) and marmot. Beaver were busily at work long before this area ever became a park, and they are still at it. Examples of their work are seen along the Snake River and its tributaries.

A float trip down the Snake is rewarding for the bird watcher. The bald eagle, osprey, Canada goose, great blue heron, screech owl, great horned owl, sparrow hawk, yellow-bellied sapsucker, red-shafted flicker, raven, chickadee, nut-hatch and brown creeper all nest in the woodlands along its banks.

Storm clouds hover above and around the Tetons as the setting sun breaks through the purple haze.



One of the great prizes is sighting the rare trumpeter swan. Nothing is quite so unexpected and spine-tingling than, while walking along a quiet lake in the early morning hours, to hear the loud trumpet blast from this magnificent bird.

Several years ago, there was written in National Parkways a beautiful and moving tribute to the soaring Tetons and their valley. This is the text:

"Try to keep your eyes away from them. Just try. You can't. They are magnetic, those awesome and inspiring peaks of the Teton Range.

"They leap abruptly from the valley with little warning, like a sudden soaring of the spirit. At first they soften themselves with a thick evergreen forest that promises protected glens and comfortable vistas. Soon, however, they leave the forest behind and challenge with open tundra where life clings to the ground or hovers behind rocks, and man must plant his feet firmly to lift his head and meet the challenge. Then the mountains leave behind all but the most tenacious life as their spires of raw rock climb to heights where the prospect is eternity and man is a gnat on a second hand.

"They leap. They climb. They soar. And they change. Always they change. On a clear morning, they are stark with every crag and spire in full focus. On windy days, they playfully trail filaments of snow from their peaks. Or they brood among purple shadows with dark clouds wrapped around them. On silvery nights they soften and glow with an inner light. In winter, they are austere and hard. At the end of the day they are flat, cut out of cardboard.

"They need a necklace of blue lakes to reflect them. The lakes are there, each surrounded by a cool green forest. The valley should have open spaces where the sweep of the mountains is in full view. It has them. The valley should be flat and wide to contrast with the mountains. It is. It should have enough ups and downs to be interesting. It does. And there should be a clear powerful river. There is. There should be wildflowers to brighten the scene. They nod in the breezes. And there should be animals—majestic animals, little scurrying animals, wheeling birds and swimming water fowl. They are

there. And it should be preserved for always. It is all there, protected in Grand Teton National Park."

—Virginia Allen, with thanks to the U.S. National Park Service

—Photos by the Author



(Top). Wildflowers in profusion cover the valley meadows.

(Left). Crystalline lakes reflect the majesty of the peaks.

Opposite Page

(Top left). Church of the Transfiguration offers inspiring view of the Tetons.

(Middle, left). Snake River floats glide noiselessly so visitors hopefully can spot wildlife on the banks.

(Top right). Noisy streams rush beside many hiking trails.

(Bottom). Lucky photographers may catch moose feeding.



The water sparkles blue with white tips under a clear sky as the *Tropic Jade* glides past the buoys which mark the entrance to the Port of Palm Beach. She heads to sea and the ports of call that await her and the goods she bears for transfusion into the life-style of the sun-drenched Bahama and Caribbean Islands.

Buttons with ribbons, noodles, asparagus to zucchini, nails and paint, animal feeds, compressors, tractors with plows, chisels and mallets, freon with hoses, pipe and channel. Much and varied—all needed—is the cargo dispatched by Tropical Shipping Company to Freeport, Nassau, St. Thomas, St. Croix, Tortola, Barbados and Trinidad.

This latest vessel in the Tropical Shipping Company's fleet was designed by Rudolph F. Matzer and Associates, Inc., Naval Architects of Jacksonville, Florida, for the owners RO/RO Service. It was built at Miho Shipyards in Shimizu, Japan.

The *Tropic Jade* is the largest of the fleet being 296 feet in

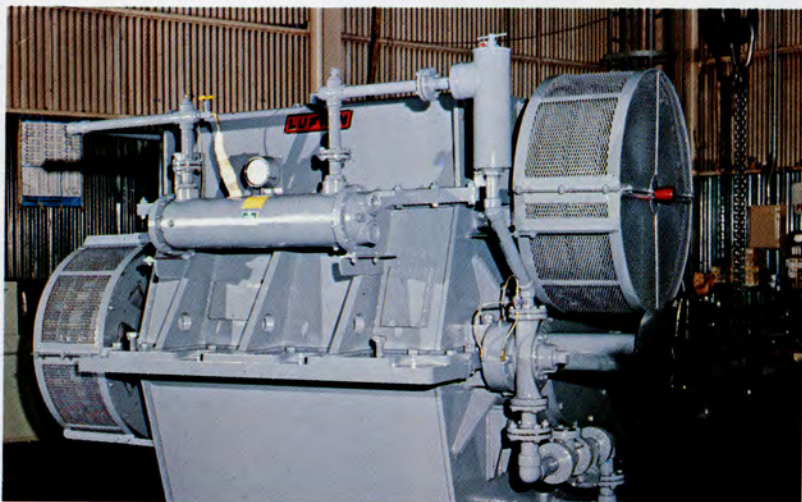
length. She has a breadth of 56 feet and a moulded depth of 19 feet, giving a cargo capacity of 132 20-foot containers or a total deadweight of 2400 tons.

Loading and unloading is facilitated by a 48-foot wide hydraulic-operated stern ramp. With the ever escalating cost of operation in mind, the architects designed the vessel with a bulbous bow to increase hull efficiency and obtain a speed of 15 knots.

The 400 H.P. bow thruster gives the exceptional maneuverability required for unassisted docking in the islands.

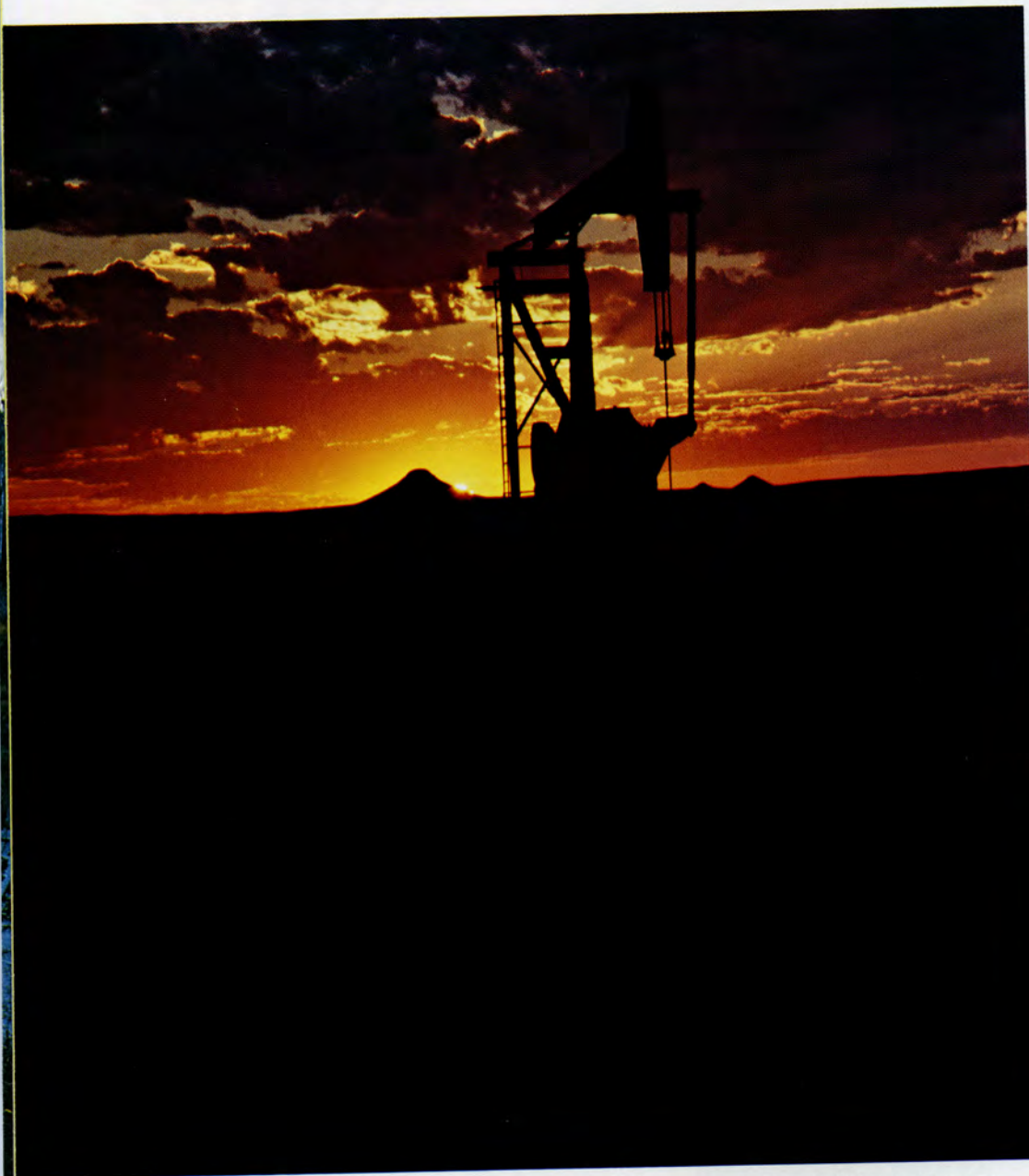
The *Tropic Jade* is powered by two General Motors 16-645E6A engines, each developing 1950 H.P. at 900 R.P.M. through LUFKIN Model RHS-2524 Reverse-Reduction gears with Fawick slip-clutches.

The addition of the *Tropic Jade* brings to 11 the General Motors/LUFKIN main propulsion plants in the Tropical Shipping Company fleet.



Tropic Jade is powered by two General Motors engines through LUFKIN RHS-2524 reverse-reduction gear units.

LUFKIN *installations*



LUFKIN M-456D-304-144, Inexco Oil Company, Campbell County, Wyoming.



LUFKIN A-2560D-470-240, Continental Oil Company, Linch, Wyoming.



LUFKIN C-456D-256-120, Union 76, Campbell County, Wyoming.





LUFKIN C-456D-305-120, Reading & Bates Petroleum Co., Campbell County, Wyoming.



LUFKIN C-456D-305-120, Cities Service Oil Co., Campbell County, Wyoming.

LUFKIN C-456S-304-120, W. B. Osborn, Rozet, Wyoming.



LUFKIN M-1280D-427-216, Diamond Shamrock Co., Campbell County, Wyoming.



LUFKIN M-640D-356-144, Mobil Oil Company, Raven Creek, Wyoming.



LUFKIN M-320-D-305-120, Mesa Petroleum Company, Savageton, Wyoming.



LUFKIN M-1280D-427-216, Exxon U.S.A., Hartzog Draw, Wyoming.

Photos by DAVID FREEZE

snapshots by the

LUFKIN Photographer



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Denver, Colorado



JERRY SHERLOCK
Amoco Production Co.
Denver, Colorado



DAN BEE
Amoco Production Co.
Denver Colorado



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Ladd Petroleum Corp.
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Denver, Colorado



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Amoco Production Co.
Denver, Colorado



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Amoco Production Co.
Denver, Colorado



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Petro Lewis Corp.
Denver, Colorado



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Denver, Colorado



LAWRENCE DICKSON
Amoco Production Co.
Denver, Colorado



J. D. RAY
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Denver, Colorado



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Petro Lewis Corp.
Denver, Colorado



JIM PITCHFORD
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Denver, Colorado



GEORGE MAYFIELD
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Denver, Colorado



ROBERT DOUBEK
Petro Lewis Corp.
Denver, Colorado



GARY MCGREGOR
Amoco Production Co.
Denver, Colorado



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Denver, Colorado



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Mobil Oil Corporation
Denver, Colorado



EARL MELVIN
Mobil Oil Corporation
Denver, Colorado



PAUL HALL
Mobil Oil Corporation
Denver, Colorado



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Denver, Colorado



BILL ORGAN
Diamond Shamrock Corp.
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J. R. McEWEN
Mobil Oil Corporation
Denver, Colorado



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Denver, Colorado



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Denver, Colorado



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Denver, Colorado



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Denver, Colorado



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Diamond Shamrock Corp.
Denver, Colorado



DAN BOLDING
Exeter Exploration Co.
Denver, Colorado



R. J. RICE
Mobil Oil Corporation
Denver, Colorado



F. W. HEISER
CIG Exploration, Inc.
Denver, Colorado



JOE ROWELL
Diamond Shamrock Corp.
Denver, Colorado



HOWARD HUDLER
Champlin Petroleum Co.
Englewood, Colorado

snapshots (continued)



ALBERT VALENTINE
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Englewood, Colorado



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Denver, Colorado



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Denver, Colorado



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Getty Oil Company
Casper, Wyoming



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Denver, Colorado



TIM MARSH
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Casper, Wyoming



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Englewood, Colorado



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Casper, Wyoming



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Getty Oil Company
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Denver, Colorado



H. F. COPELAND
Chevron U.S.A. Inc.
Denver, Colorado



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Casper, Wyoming



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Getty Oil Company
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Casper, Wyoming



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Casper, Wyoming



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Southland Royalty Company
Casper, Wyoming



KENNY DILL
Continental Oil Company
Casper, Wyoming



STEVEN TAYLOR
Gulf Oil Expl. & Prod.
Casper, Wyoming



DARRELL METZ
Terra Resources, Inc.
Casper, Wyoming



LOREN HOEKEMA
Marathon Oil Co.
Casper, Wyoming



SAM CALHOUN
Continental Oil Company
Linch, Wyoming



DON THOMPSON
Gulf Oil Expl. & Prod.
Casper, Wyoming



DOUG FLACK
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Casper, Wyoming



FALINDA HALL
Marathon Oil Co.
Casper, Wyoming



BILL LOGAN
Continental Oil Company
Linch, Wyoming



ED REISH
Terra Resources, Inc.
Casper, Wyoming



WILLIAM FLINT, JR.
Union Oil & Gas
Casper, Wyoming



CHARLES SCHMIDT
Marathon Oil Co.
Casper, Wyoming



TUFFY ARGUE
Mesa Petroleum Co.
Savageton, Wyoming



TOM WILLIAMS
Terra Resources, Inc.
Casper, Wyoming



RONNIE RAY
Southland Royalty Company
Casper, Wyoming



JERRY HOFMAN
Marathon Oil Co.
Casper, Wyoming



RICK CRESWELL
Exxon U.S.A.
Gillette, Wyoming

LUFKIN

i.p.e. visitors



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Bristow, OK



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West Implement Co.
Cleveland, Miss.



BILL WALLACE
Phillips Pipeline
Bartlesville, OK



N.H. TROSTEL
Amoco Production Co.
Houston, Texas



L. E. FITZJARRALD
Phillips Petroleum (retired)
Bartlesville, OK



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Cities Service Co.
Tulsa, OK



JOHN DAY
University of Tulsa
Tulsa, OK



HARRY TATE
Cities Service Co.
Denver, Colorado



DON SARTAIN
Texas Pacific Oil Co.
Dallas, Texas



GENE YOUNG
Sohio Petroleum Co.
Oklahoma City, OK



JAMES CARVER
Amerada Hess
Tulsa, OK



DAVID TALBOTT
Cities Service Co.
Levelland, Texas



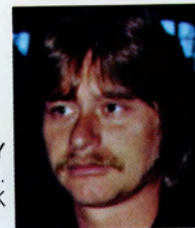
GENE HODGES
Arco Oil & Gas
Dallas, Texas



DAVID REYNOLDS,
J. D. Reynolds Co.
Camden, Arkansas



DAVID GOURLEY
Henderson Oil Lease
Burgettstown, PA



RICK NUNLEY
Cities Service Co.
Norman, OK



BILL RIGG
Phillips Petroleum
Bartlesville, OK



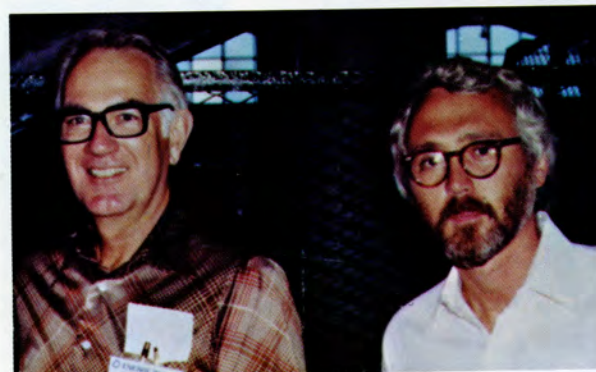
ROBERT MILLER
Lario Oil & Gas Co.
Wellington, Kansas



MARVIN and RUTH PIERCE
Phillips Petroleum
Bartlesville, OK



JOHN SHIMP, left
BRAD KATZUNG
Grace Petroleum
Oklahoma City, OK



JACK GRAVES, left
MIKE GRAVES
J. M. Graves Oil Properties
Tulsa, OK



EARNEST MORROW, left
Mobil Oil Corp.
Denver, CO
TOM ERWIN
Mobil Oil Corp.
Lindsay, OK



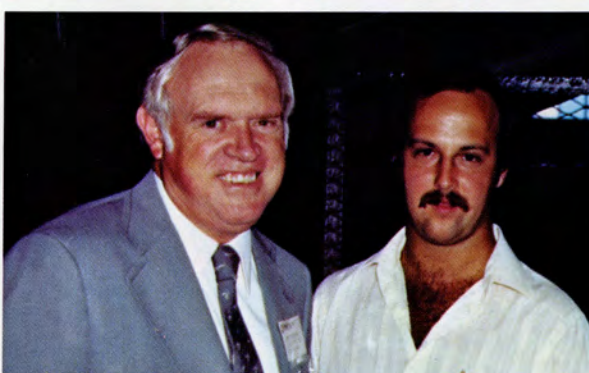
JERRY MILLER, left
J. B. MORRIS
Getty Oil Company
Kilgore, Texas



EARL GIBBENS, left
Amoco Production Co.
Tulsa, OK, and
CHARLIE DYER
LUFKIN, Tulsa



SIBYL and BILL CAVER
Cities Service Co.
Tulsa, OK



JOHN ALBRIGHT, left
ALLEN GRUBB
Cities Service Co.
Wichita, Kansas



FRED STOCKSTILL, left
Dowell
Wichita, Kansas
STANLEY STOCKSTILL
Martin Oil Co.
Geneseo, Kansas



GEORGE MITCHELL, left
First National Bank
Marshall, Ill.
KEITH MILLER
Grace Petroleum
Oklahoma City, OK



R. L. POLLAND, left
President, LUFKIN
JIM PUCKETT
Mobil Oil Co.
Ardmore, OK



HARRY MAX, left
Intercon'tl. Petr. Expl. & Devel.
Houston, Tex.
GENE SELL
Hermer & Sell
Pawhuska, OK



TRAVIS PATE, left
Cities Service Co.
Jackson, Miss.
ARTHUR PRATHER
Cities Service Co.
Natchez, Miss.



HARRY STANSBURY, left
Arco Oil & Gas
Dallas, Texas
JACK GISSLER
LUFKIN, Dallas



ED PATTERSON, left
LUFKIN, Houston
LOWELL ABEL
Amoco Production Co.
Houston, Texas



DOUG RALEY, left
Western Company
Tulsa, OK
JOHN FRICK
Natamas North America
Tulsa OK



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Longview, Texas
BILL WHITE
Cities Service Co.
Jackson, Miss.



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Texas Oil & Gas
Medicine Lodge, Kansas
STEVE ETCHISON
Texas Oil & Gas
Wichita, Kansas



ROY LILLEY, left
LUFKIN, Okla. City
RICK FREDERICK
Cities Service Co.
Oklahoma City, OK



CHARLES and
ELYCE STILL, JR., left
Arcadia Refining Co.
Tyler, Texas
ROY BOWMAN
Arcadia Refining Co.
Tyler



BERT LEVENBERGER, left
Lario Oil & Gas Co.
Odessa, Tex.
OSCAR DANIELSON
Lario Oil & Gas Co.
Hays, Kansas



JOE ZABA, left
Amoco (retired)
Tulsa, OK
BILL TROUT, center
and **BEN QUEEN**
both with LUFKIN,
Lufkin



KEITH STULL, left
Lario Oil & Gas Co.
Hays, Kansas
G.R. KELSEY
Lario Oil & Gas Co.
Wichita, Kansas



JOE BYRD, left
LUFKIN, Lufkin, Tex.
KERMIT BROWN, center
University of Tulsa
Tulsa;
STEVE BROWN
Bow Pipeline Skiatook, OK



