

# Pure Oil Has Gas and Condensate Shows in Important Deep Wildcat

CASPER—Whether the middle of the fabulous Big Horn basin in northwestern Wyoming will pay off as have the numerous structures around the basinal rim is today a main topic of conversation in state oil circles.

Precipitating the discussion are results of a drill stem test by the Pure Oil Company in its deep wildcat on the River or Worland dome, north of Worland in Washakie county.

A drill stem test at 7,270 feet, with the hole 30 feet in the Frontier sand, resulted in the recovery of a small amount of 55-gravity condensate, plus an estimated wet gas flow of 5,000,000 feet daily.

The company started this well with announced plans of testing all of the horizons normally productive in this area, presumably including the Tensleep. In the north end of the basin, in the Elk Basin field, there is an interval of about 3,200 feet between the first Frontier and the Tensleep, indicating this well will have to go to about 10,000 feet to reach the Tensleep.

In between are fully half a dozen possible producing zones.

Hitherto the center of the basin has remained undrilled because of its lack of rock outcrops that might have given a clue to structural conditions, and the presumption that drilling to great depths would be necessary to reach possible pay horizons. On the rim of the basin, structures are sharply defined. Many recently brought into production in deeper zones were accurately mapped 20 years ago, or earlier.

The full Wyoming report:

## Arlington Area

(Hot Springs County)  
Wasatch Ref. Co.-Dixon No. 1  
SE NE NE 23-19N-78W  
Standing, 5400.

## Bailey Dome

(Carbon County)  
Wasatch-Cameron No. 1  
CWL SW SW 13-26N-89W  
Drilling, 1200.

## Sinclair Unit No. 3

NE 1/4 21-28-89  
El. 6009; drilling, 6025.  
Phillips Pet. No. 1  
C SE SW SW 15-27N-89W  
Drilling, 4000.

## Baggs Prospect

(Carbon County)  
Texaco-Baggs Unit No. 1  
C NE SE SE 35-13N-92W  
Drilling, 7002.

## Beaver Creek

(Fremont County)  
Stanford-Beaver Creek No. 2  
SE SE NE 11-33N-96W  
Drilling, 3617.

## Big Horn Basin Field

(Big Horn County)  
Hageman-Pond-Hanson No. 1 Herron  
NE SE NE 31-53N-92W  
Standing, 680.

## Big Muddy

(Converse County)  
Continental-Glenrock Sheep No. 51  
NW SE SE 4-33N-76W  
P.B., 4275; bailed 15 BO and 40 bbls.  
water from Dakota. Testing.

## Gem Oil-Gardner No. 1

SE 6-33-76  
Drilling, 3890.

## Black Mountain District

(Hot Springs County)  
Texaco-State No. 3  
NW NE SE 36-43N-91W  
Drilling, 1525.

## Cedar Ridge Field

(Hot Springs County)  
Husky-Government No. 1  
NE NE NE 25-43N-95W  
Standing, 1250, through Madison lime.

## Centennial Structure

(Albany County)  
Trigon No. 1  
NE 5-15-77  
Starting new hole.

## Church Butte Structure

(Ulata County)  
Mountain Fuel Supply No. 1  
NE SW NW 8-16N-112W  
Drilling, 9815.

## Cole Creek

General Pet No. 33-168  
Sec 16-36N-77W  
Installing pump; T.D., 4655.

## Cooper Cove

(Carbon County)  
Stanford-U. P. No. 2  
NE NE NE 19-18N-77W  
Derrick.

## Crooks Gap

(Fremont County)  
Sinclair-Unit No. 2  
SE NE NE 13-28N-93W  
T.D., 7385; no report.

## General-Pet. No. 72-19-P

Sec. 19-28N-92W  
Drilling, 5270.

## DuBois Area

(Fremont County)  
Sinclair-DuBois Unit No. 1  
NE NE 11-42N-107W  
Drilling, 1583.

## East Lance Creek

(Niobrara County)  
Chalmette Corp.-Govt. No. 1  
SW SE NE 29-36N-84W  
Testing, 4000.

## Fred Manning-State No. 1

SW 25-36-84  
Drilling, 2810. (FIRST REPORT)

## Elk Basin Field

(Park County)  
Carter-Johnson No. 7X  
NE NW SW 8-57N-99W  
Spudded 8-26-45; drilling, 2153.

## Continental-N. P. No. 2

NW 1/4 29-57-99  
Drilling, 6990.

## Continental-Ida Goodstein No. 3

SW NE SW 20-57-99  
Spudded 7-12-45; drilling, 5166.

## Husky-Taggart No. 1

NE NW NE 12-56N-100W  
WORT, 680.

## Kirk Oil-Gill No. 1

Sec. 1-56-100  
Drilling, 3460.

## MacKinnle-Henderson No. 2

NE SE NE 6-57N-99W  
Installing pump.

## MacKinnle-Henderson No. 4

NE SW NE 6-57N-99W  
Testing Tensleep, 5914-47.

## MacKinnle-N. P. No. 8

NE SE NW 5-57N-99W  
Drilling, 2802.

## MacKinnle-N. P. No. 10

NE 1/4 5-57-99  
Drilling, 1133.

## MacKinnle-Sullivan No. 8

NE NW NW 6-57N-99W  
Location.

## MacKinnle "A" No. 10

NE NE SW 32-58N-99W  
Spudding.

## MacKinnle-Tendolle B No. 1

NE NW SE 32-58-98  
Drilling, 4870.

## Stanford-Garth Unit No. 1

NE NW SE 25-58N-100W  
Spudded 4-24-45; saturation, 5394.

## Union-Kendall No. 1

N 1/4 28-57-99W  
Drilling, 3185.

## Four Bear Field

(Park County)  
Honolulu-Government No. 4  
NW NW NW 3-47N-107W  
Testing, 3980.

## Honolulu-Government No. 5

SW 1/4 28-48-103  
Drilling, 3280.

## Frannie Field

Continental-Gem C No. 1  
NE SE SW 26-58-98  
Drilling, 1945.

## Garland Field

(Big Horn County)  
General-Pet-Kirgis No. 2  
Lot 49-55N-97W  
Spudded 8-18-45; drilling, 4024.

## General-Pet-Isabel No. 1

Lot 69, T. 55N-97W  
Preparing to pump, 4490.

## General-Pet-Isabel No. 2

Lot 62, T. 55 N., 97 W  
Running rods and tubing; T.D., 4367.

# Explanation Of Symbols

To save time, numerous symbols are used in these Wyoming well reports. Here's what they mean:

- BOPD—barrels of oil per day.
- BOPH—barrels of oil per hour.
- BS & W—basic sediment and water.
- D.S.T. or DST—drill stem test.
- MIRT—moving in rotary tools.
- MOCT—moving on cable tools.
- PB or P.B.—plugged back.
- RURT—rigging up rotary tools.
- T.D. or TD—total depth.
- WOC—waiting on cement.
- WORT—waiting on rotary tools.

Ohio-Kinney Coastal No. 13  
NW NW 32-56-97  
Testing, T.D., 4421.

Ohio-Harris No. 2  
Lot 47A, 56-97  
Drilling, 2895.

## Gebo Dome

(Hot Springs County)  
Continental-Unit No. 9  
SW NW SW 24-44N-95W  
Drilling, 4367.

Continental-Unit No. 10  
SW SW NW 23-44-95  
Drilling, 1642.

Gem Oil-Ireland No. 1  
SE 14-44-95  
Drilling, 4132.

## Gooseberry Dome

General Pet. No. 1-29-P  
Sec. 29-47N-100W  
Drilling, 5287.

## Grass Creek

(Hot Springs County)  
Ohio Mill Iron No. 76  
Sec. 29-56-28  
Drilling, 3520.

## Half Moon Field

(Park County)  
Husky-Morrison No. 4  
SW 23-51-102  
Drilling, 3610.

Husky-Morrison No. 5  
NW 26-51-102  
T.D., 3625; perf. to test Embar.

## Hamilton Dome

(Hot Springs County)  
Argo-Gov't. No. 3  
NW NE NW 24-44N-88W  
COMPLETED, 425 BOPD. Tensleep was  
tapped at 2545.

Westates-Skelton No. 2  
NW SW NW 18-44-97  
Testing Embar. P. B. after getting water  
in Tensleep, 3355.

## Kirby Creek

(Hot Springs County)  
Hagerman-Fisher No. 1  
NE NE NE 20-43N-92W  
WOC, 365.

Pacific Western-Kyne No. 1  
SE SW NW 22-43N-92W  
T.D., 3614; pumping 75 BOPD from Em-  
bar, 3334-3340. Testing.

## Lake Creek Dome

(Hot Springs County)  
J. G. Dyer-No. 1 Dyer  
SW SW NE 28-43N-91W  
Location.

## Lamb Structure

(Big Horn County)  
Hageman, Pond & Hanson-Govt. No. 1  
E 1/4 SW SE 12-51N-93W  
Testing Tensleep saturation past 3449;  
also got oil and gas shows in Embar and  
Sundance. T.D., 3463. Swabbing 18 BO  
PH from Tensleep. Re-cementing.

## Lance Creek

(Niobrara County)  
Continental-No. 11 Apex 4  
NW SE NW 35-36N-65W  
P.B. from 5512 to 4104. COMPLETION  
in basal Sundance, 39 BO and 13 bbls.  
water in 13 hrs.

Continental-Rodeo No. 7  
SE SE SW 26-36N-65W  
Testing Leo, 5571.

Ohio-Agnes Robiff No. 11  
SE SE NE 32-36-65  
Testing, 3995.

## Little Buck Creek

(Niobrara County)  
Continental-Leach B No. 1  
SE 1/4 20-36-64  
RURT. (FIRST REPORT)

## Little Buffalo Basin

(Park County)  
Stanford Unit 9E  
NE NW SW 1-47N-160W  
Drilling, 1135.

## Little Medicine Bow

(Carbon County)  
British American-U. P. No. 1  
SW SW SE 23-21N-78W  
Cored, 6937 to 6947.

## Lost Soldier

(Sweetwater County)  
Sinclair Unit "A" 108  
SE SW 11-26N-90W  
Drilling, 6481.

Sinclair-Hughes No. 9  
NE SW 3-26N-90W  
T.D., 5477. Flowed 786 BO in 21 hrs.

Sinclair-Hughes No. 10  
SW SW 2-26N-90W  
Drilling, 4237.

## Lucerne

(Hot Springs County)  
Pacific Western-Weadick No. 1  
NE SW NE 22-43N-94W  
Drilling, 2030.

## McGowan Wildcat

Carter-Shoshone-Araphoe No. 1  
NE SW 24-18-1E  
Cored 1746-48, rec. 2 ft. dark sandy  
shale, DST 1873-1903, open 45 min, rec.  
90 ft. slightly oil-cut mud. Top Dinwoody  
dolomite, 4395. DST 4441-82, open 48  
min., rec. 60 ft. mud and 330 ft. sulphur  
water with oil rainbow and considerable  
gas. DST 4852, 40 min., rec. 53 ft. mud  
and 183 ft. sulphur water. No oil in drill  
stem tests above Tensleep. No saturation  
in Tensleep, topped 4755. T.D., 4770. P.B.  
1960. Rigging up spudder for test.

## Midway

(Midway County)  
Kerlyn-Govt. No. 1  
NE SE NE 23-35N-79W  
DST 5961-73, open 30 min., recovered  
1200 ft. mud and 400 ft. oil-cut mud  
from Dakota. T.D., 8430. P.B., 7205, to  
test Dakota. No oil in Tensleep or Mad-  
ison. To be completed by Phillips Pe-  
troleum Co. Testing Dakota, 6104. Swab-  
bing oil and water.

## Murphy Dome

(Hot Springs County)  
Mule Creek-Shannon-Shadd No. 1  
SE NE SE 6-43-91W  
Drilling, 4580.

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