

RECORD OF SAMPLE DESCRIPTION

GULF TULI PRINTED IN U.S.A.



00265436

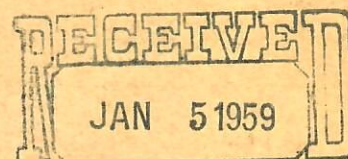
SEC 8 TWP 9N RGE 78W LOCATION SE SW

FARM Ballinger NO 2A ELEVATION 8116 KB

OWNER Gulf STATE Colorado COUNTY Jackson

SAMPLE FROM 3500 TO 3800 EXAMINED BY Stam DATE

| FROM | TO | LITHOLOGIC DESCRIPTION FORMATION AND REMARKS |
|------|------|--|
| 3500 | 10 | SHALE, gy-dk gy, v.f. mic, sli calc occ slty, w/lam SANDSTONE, lt. gy-gy, slt-v.f., arg, calc, s & p, mic. |
| 10 | 20 | As above. |
| 20 | 30 | As above, occ. slicken. |
| 30 | 40 | As above. |
| 40 | 50 | As above. |
| 50 | 60 | As above. |
| 60 | 70 | As above, w/occ lt. bluish gry, aren, bentonite. |
| 70 | 80 | As above. |
| 80 | 90 | As above, clear calc, w/one frag, SHALE, gy, calc w/tan calc spots. |
| 90 | 3600 | As above. |
| 3600 | 10 | As above. |
| 10 | 20 | As above. |
| 20 | 30 | As above, occ w/spots as above. |
| 30 | 40 | As above. |
| 40 | 50 | SHALE and occ SILT - f. SANDSTONE, as above, no calc spotted SHALE. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 3700 | As above. |
| 3700 | 10 | As above. |
| 10 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 3800 | As above. |



OIL & GAS
CONSERVATION COMMISSION

| | |
|------|--|
| AJJ | |
| DVR | |
| WRS | |
| HHM | |
| JAM | |
| FJP | |
| JJD | |
| FILE | |

RECORD OF SAMPLE DESCRIPTION

GULF T 1181 PRINTED IN U.S.A.

PAGE NO. 2

SEC 8

TWP 9N

RCE

TOW

LOCATION

SE SW

FARM Ballinger

NO 2A

ELEVATION 8116 KB

OWNER Gulf

STATE Colorado

COUNTY Jackson

SAMPLES FROM 3800

TO 4140

EXAMINED BY Stam

DATE

| FROM | TO | LITHOLOGIC DESCRIPTION FORMATION AND REMARKS |
|------|------|--|
| 3800 | 10 | SHALE, gy-dk gy-bk, v. sli calc, occ slty, w occ SHALE, gy, calc w wh-tan calc specks. |
| 10 | 20 | As above, inc speckled SHALE, occ fract calcite. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | Mostly speckled SHALE, v. calc. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 3900 | As above. |
| 3900 | 10 | As above. |
| 10 | 20 | As above, w/SHALE, dk gy-bk, sli waxy, calc no specks, mic. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above. |
| 50 | 60 | As above. |
| 60 | 70 | As above, occ sli aren. |
| 70 | 80 | Inc. calc spots. |
| 80 | 90 | As above. |
| 90 | 4000 | As above, sme v. v. calc lt. gy v. spotted. |
| 4000 | 10 | As above, occ inoc, pr. |
| 10 | 20 | As above, decr. spots decr. calc. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above, w/occ slt. gy, calc, mic, arg. |
| 80 | 90 | As above. |
| 90 | 4100 | As above. |
| 4100 | 10 | As above. |
| 4110 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |

RECORD OF SAMPLE DESCRIPTION
GULF TITEL PRINTED IN U.S.A.

SEC. 8 TWP. 9N RGE 78W LOCATION SE SW
FARM Ballinger NO 2A ELEVATION 8116 KB
OWNER Gulf STATE Colorado COUNTY Jackson

SAMPLES FROM 4140 TO 4450 EXAMINED BY Stam DATE

| FROM | TO | LITHOLOGIC DESCRIPTION FORMATION AND REMARKS |
|------|------|---|
| 4140 | 50 | SHALE, gy, calc, w/tan calc specks, SHALE, dk gy, sl-v. calc, mic, occ slty, occ slt-v.f. SANDSTONE, gy, arg, sli calc. |
| 50 | 60 | As above. |
| 60 | 70 | As above, decr. specks. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 4200 | As above. |
| 4200 | 10 | As above, v. few specks. |
| 10 | 20 | As above. |
| 20 | 30 | As above, decr. calc. |
| 30 | 40 | SHALE, dk gy-bk, occ v. sli calc, sme aren, w/occ speckled SHALE & slt-v. f. SANDSTONE, as above. |
| 40 | 50 | As above. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 4300 | As above. |
| 4300 | 10 | As above, w/occ LIMESTONE, tan, f xln, aren, sme arg, occ, SANDSTONE, gy, slt-f, arg, calc. |
| 10 | 20 | LIMESTONE and SANDSTONE, as above. |
| 20 | 30 | SANDSTONE, lt gy-tan, v.f.-f, sd, sli fri, sli s & p, calc, arg, br ylw fluor, sli cut w/aren LIMESTONE, as above. |
| 30 | 40 | As above. |
| 50 | 60 | As above, w/SHALE, gy-dk gy, occ sli calc, occ slty, mic. |
| 60 | 70 | As above, inc SHALE. |
| 70 | 80 | SHALE, as above w/SANDSTONE, slt-v.f. lt. gy-gy, arg-slty SHALE, v. sli. calc, n.s., sli s & p. |
| 80 | 90 | As above. |
| 90 | 4400 | As above. |
| 4400 | 10 | As above. |
| 10 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above. |

RECORD OF SAMPLE DESCRIPTION

GULF T 1161 PRINTED IN U.S.A.



SEC 8 TWP 9N RGE 78W LOCATION SE SW
 FARM Ballinger NO 2A ELEVATION 8116 KB
 OWNER Gulf STATE Colorado COUNTY Jackson
 SAMPLES FROM 4450 TO 4770 EXAMINED BY Stam DATE

| FROM | TO | LITHOLOGIC DESCRIPTION, FORMATION AND REMARKS |
|------|------|--|
| 4450 | 60 | SHALE, as above w/SANDSTONE, slty-v.f. lt. gy-gy, arg. slty SHALE, v. sli. calc, n.s., sli s & p. |
| 60 | 70 | As above. |
| 70 | 80 | SHALE, gy-dk gy, non to sli calc, occ slty w/v. occ. slt-v.f. SANDSTONE, lt. gy-gy, arg, sli calc. |
| 80 | 90 | As above, w/occ. lt. gy bent. SHALE, sft. |
| 90 | 4500 | As above. |
| 4500 | 10 | As above, inc. calc. |
| 10 | 20 | As above, occ. inoc. pr. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above, v. little slt-v.f. SANDSTONE. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 4600 | As above, decr. calc. occ. fract calcite. |
| 4600 | 10 | As above. |
| 10 | 20 | As above, most SHALE, occ. sli. slty. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | N.S. |
| 90 | 4700 | SHALE, gy-dk gy, v. occ. sli calc, occ sli slty, w/little frac. calcite; v. few ibds. SANDSTONE, slt-v.f., gy, arg, v/occ lt. gy slt. bent. SHALE. |
| 4700 | 10 | As above. |
| 10 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above, inc. slt. v.f. SANDSTONE, calc. |
| 50 | 60 | As above. |
| 60 | 70 | As above, decr. slt. v. f. SANDSTONE, calc. |

RECORD OF SAMPLE DESCRIPTION

GULF 3 1881 PRINTED IN U.S.A.



SEC 8 TWP 9N RGE 73W LOCATION SE SW
 FARM Ballinger NO 2A ELEVATION 8116 KB
 OWNER Gulf STATE Colorado COUNTY Jackson
 SAMPLES FROM 4770 TO 5096 EXAMINED BY Stam DATE

| FROM | TO | LITHOLOGIC DESCRIPTION FORMATION AND REMARKS |
|------|------|---|
| 4770 | 80 | SHALE, gy-dk gy, v. occ. sli calc, occ sli slty, w/little frac. calcite; v. few idbs. SANDSTONE, slt-v.f., gy, arg, w/occ lt. gy slt. bent SHALE. |
| 80 | 90 | As above. |
| 90 | 4800 | As above. |
| 4800 | 10 | SHALE, gy-dk gy, occ sli slty, v.f. mic w/occ SANDSTONE, gy, slt-v.f. sli calc, arg, sli s & p, w/sme fract calcite & lt. gy bent SHALE. |
| 10 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above, w/much wh sli sndy bent. |
| 50 | 60 | As above. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above, few fish scales in SHALE. |
| 90 | 4900 | As above. |
| 4900 | 10 | As above. |
| 10 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above, inc. slt-v.f. SANDSTONE. |
| 40 | 50 | As above. |
| 50 | 60 | As above, w/sandstone, lt. gy-bn, slt-v.f. sli calc, sme v. arg, hd. ti. |
| 60 | 70 | As above. |
| 4970 | 87 | Core #1. |
| 4987 | 5015 | Core #2. |
| 5015 | 20 | SHALE, dk gy-bk, sme sli slty slicken. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above, w/SANDSTONE, lt. gy-tan, f. sme sli por. |
| 50 | 60 | As above, inc SANDSTONE, sli ylw fluor. occ cut. |
| 5063 | 5096 | Core #3. |

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SEC 8 TWP 9N RGE 78N LOCATION SE SW
 FARM Ballinger NO 2A ELEVATION 8116 KB
 OWNER Gulf STATE Colorado COUNTY Jackson
 SAMPLES FROM 5100 TO 5410 EXAMINED BY Stam DATE

| FROM | TO | LITHOLOGIC DESCRIPTION FORMATION AND REMARKS |
|------|------|--|
| 5100 | 10 | SHALE, gy-dk gy, sli calc w/SANDSTONE, slt-f, gy, arg and SANDSTONE, wh-tan, f.m. por. |
| 10 | 20 | As above. |
| 20 | 30 | As above, w/SHALE, rd bn, sft, sme slty. |
| 30 | 40 | As above, inc rd SHALE. |
| 40 | 50 | SHALE, rd bn, as above; SHALE, gy gn, v. sft, sndy, SHALE, gy-gy bn, w/SANDSTONE, wh, gy, tan, sft-f, most arg, sme sli por. |
| 50 | 60 | SHALE, as above w/SANDSTONE f-c, v. fri-lse, sr qtz, ylw fluor, sli ylw cut. |
| 60 | 70 | SANDSTONE, as above. |
| 70 | 80 | As above. |
| 80 | 90 | SHALE, gy, m. sft; SHALE, lt gy gn, soft, sndy. |
| 90 | 5200 | As above. |
| 5200 | 10 | As above, w/ovv SANDSTONE, gy gn, v.f.-f., v. arg. |
| 10 | 20 | As above. |
| 20 | 30 | As above. |
| 30 | 40 | As above. |
| 40 | 50 | As above, w/LIMESTONE, tan, bn, gy, micro dne, arg. occ pyr. |
| 50 | 60 | As above, inc LIMESTONE. |
| 60 | 70 | As above. |
| 70 | 80 | As above. |
| 80 | 90 | As above. |
| 90 | 5300 | As above. |
| 5300 | 10 | As above, decr. LIMESTONE. |
| 10 | 20 | SHALE, gy-dk gy & SHALE, lt. gy gn, sft, aren, waxy, w/sme LIMESTONE, a.a. |
| 20 | 30 | SHALE, as above, w/tan calc SHALE inc gn SHALE. |
| 30 | 40 | SHALE, lt. gy gn-gn, sft; calc sme aren, slt. f SANDSTONE, gy-gn, arg. calc, SHALE, gy-bn gy, calc sme slty. |
| 40 | 50 | As above. |
| 50 | 60 | As above, w/SANDSTONE, lt. gy. v.f.-f, sl-v. calc, sa-sr qtz w/occ pk min, occ arg. |
| 60 | 70 | Mostly SHALE, gy gn-gn and sme rd, as above. |
| 70 | 80 | SHALE, gy, gn, rd & SANDSTONE, gy-gy as above, occ lse qtz m-c & ght. |
| 80 | 90 | As above. |
| 90 | 5400 | As above. |
| 5400 | 10 | As above. |

