



ALLEN & CROUCH
PETROLEUM ENGINEERS

RECEIVED

JUN 5 2019

DEPT OF ENVIRONMENT & NATURAL
RESOURCES - RAPID CITY

June 5, 2019

Re: Request for Location Exception

T-C Oil Company, LLC 427 FM 774 Refugio, TX 78377

South Dakota Federal 7-1 (Confidential)

261' FNL & 513' FEL NE NE Section 7-T8S-R1E, Fall River County, South Dakota

Minerals and Mining Program Attention: Lucy Dahl

2050 West Main Street, Suite #1

Rapid City, SD 57702-2493

Dear Ms. Dahl:

Pursuant to the rules and regulations of the South Dakota Department of Environment & Natural Resources, T-C Oil Company, LLC Company hereby requests administrative approval for a location exception for the referenced wellbore. The reason for the exception is due to the geology and structural conditions for optimizing the location. T-C Oil Company has run extensive seismic across this area. If the location is not moved, we will miss our planned target. As a consequence, the South Dakota Federal 7-1 was moved to an acceptable surface location.

All of the mineral property within one-half mile of the location is owned or has been leased by T-C Oil Company, LLC. The legal survey plat and a map showing the location is attached.

If no objections are received, and if the supervisor is of the opinion that a hearing is unnecessary, please administratively approve this application. If you have any questions or need additional information, please call me at (307) 234-3571.

Sincerely,

Joe Rochelle, PE

Engineer for T-C Oil Company, LLC

Attachments

Cc: Gerald Freidrichs T-C Oil Company

RECEIVED

MAY 28 2019

T8S, R1E

DEPT OF ENVIRONMENT & NATURAL
RESOURCES - RAPID CITY

FOUND STONE
NW. COR.
SEC. 7, T8S, R1E
LAT: 43.376571
LON: -104.054636

S 87°46'50" E 5157.93' (M)

LAT: 43.376612
LON: -104.045149

SET ALUM. CAP
P.L.S. NO. 13484
NE. COR.
SEC. 7, T8S, R1E
LAT: 43.376655
LON: -104.035235

SOUTH DAKOTA FEDERAL 7-1
UNGRADED ELEV= 3856.5'
SURFACE POSITION

261'

516'

LOT 1

LOT 2

LOT 3

LOT 4

LAT: 43.369359
LON: -104.054593

N 02°19'13" E 5256.95' (M)

SURFACE POSITION
NAD 83
STPC (SDS)
N: 401,949'
E: 984,113'
LAT: 43° 22' 33.349"N
(43.375930°N)
LON: 104° 02' 13.811"W
(104.037170°W)

SURFACE POSITION
NAD 27
STPC (SDS)
N: 401,949'
E: 1,015,714'
LAT: 43° 22' 33.447"N
(43.375957°N)
LON: 104° 02' 12.062"W
(104.036684°W)

LAT: 43.369419
LON: -104.035152

N 02°04'14" E 5274.50' (M)

FOUND STONE
SW. COR.
SEC. 7, T8S, R1E
LAT: 43.362147
LON: -104.054551

LAT: 43.362166
LON: -104.044988

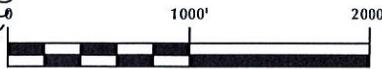
S 87°35'12" E 5180.92' (M)

SET ALUM. CAP
P.L.S. NO. 13484
SE. COR.
SEC. 7, T8S, R1E
LAT: 43.362184
LON: -104.035068

CERTIFICATE OF SURVEYOR

I, WRANGLER GROHS, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF SOUTH DAKOTA, DO HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM THE FIELD DURING AN ACTUAL SURVEY OF THE PROPERTY AND NECESSARY LOCATIONS PERTAINING TO THE SURFACE POSITION AND THAT THE LOCATION AND LEGAL DESCRIPTION PRESENTED FROM THE SURFACE POSITION ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Wrangler Grohs
WRANGLER GROHS
PROFESSIONAL LAND SURVEYOR
SOUTH DAKOTA REGISTRATION NUMBER 13484
Date 4/24/19



HORIZONTAL
SCALE: 1" = 1000'

NOTES:

- ▲ INDICATES SECTION CORNER.
- INDICATES CALCULATED CORNER.
- SECTION CORNER LATITUDES AND LONGITUDES ARE NAD83 (2011)(EPOCH:2010).
- ELEVATION BASED ON NAVD88 (GEOID12B).
- BASIS OF BEARING IS FROM SOUTH DAKOTA COORDINATE SYSTEM NAD83, SOUTH ZONE, U.S. SURVEY FEET.
- ALL MEASURED DISTANCES ARE GRID.
COMBINED SCALE FACTOR: .99972955 CALCULATED FROM THE NW. CORNER OF SECTION 7, T8S, R1E.

WELL LEGAL PLAT

SOUTH DAKOTA FEDERAL 7-1
261' FNL & 516' FEL (SURFACE POSITION)
NE1/4 NE1/4, SECTION 7
T8S, R1E, B.H.M.
FALL RIVER COUNTY, SOUTH DAKOTA

Prepared For:



T-C OIL COMPANY, LLC
427 FM 774
REFUGIO, TEXAS 78377

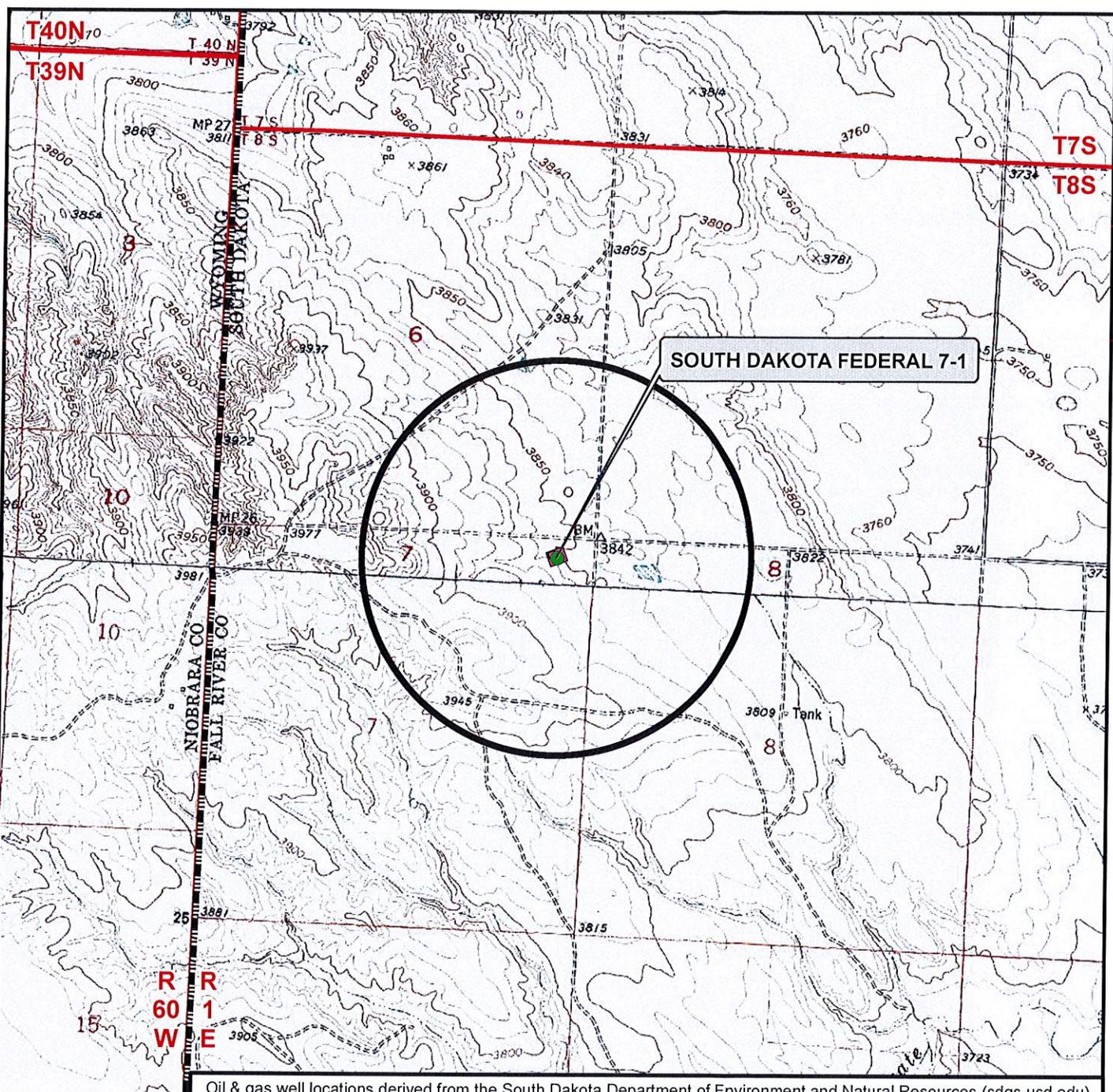


CONSULTING, LLC
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182

DRAFTED BY: SJM	CHECKED BY: WJG	SHEET NO:
DATE DRAFTED: 4/24/19	DATE SURVEYED: 4/4/19	1
REVISED:	FILE NAME: 18-225	1 OF 1

K17-C 01118-225 SOUTH_DAKOTA_SEC_7T8S_R1E1E1PLAT1SEC7_T8S_R1E1E1SEC7_T8S_R1E1E1DWG_4/22/2019 11:04:33 AM_sdmud

K:\T-C OIL\18-225_SOUTH_DAKOTA_SEC7_T8S_R1E\GIS\Maps_ABCD\SOUTH DAKOTA FEDERAL 7-1\SOUTH DAKOTA FEDERAL 7-1 EXCEPTION LOCATION MAP.mxd 4/22/2019 10:54:08 AM



Oil & gas well locations derived from the South Dakota Department of Environment and Natural Resources (sdgs.usd.edu).

Legend

- Well - Proposed
- Half-Mile Radius
- Well Pad - Proposed
- Injecting
- Producing
- Spudded
- Plugged and Abandoned
- Shut In
- Temporarily Abandoned

RECEIVED
MAY 28 2019

DEPT OF ENVIRONMENT & NATURAL RESOURCES
EXCEPTION LOCATION MAP

**SOUTH DAKOTA FEDERAL 7-1
LOCATED IN NENE OF SECTION 7
T8S, R1E, B.H.M.
FALL RIVER COUNTY, SOUTH DAKOTA**

Prepared For:

T-C OIL COMPANY, LLC
427 FM 774
REFUGIO, TEXAS 78377



CONSULTING, LLC
1095 Saberton Avenue
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 SD-Sft	1 SHEET NO: 1 OF 1
DRAWN: TL	DATE: 18 Apr 2019	
REVISED:	DATE:	