## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

5.	LEASE	-
	SF-078046	

GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WE (Do not use this form for proposals to drill or to deepen or plug back to a reservoir, Use Form 9–331–C for such proposals.)	different
	8. FARM OR LEASE NAME Hughes
1. oil gas	9. WELL NO.
2. NAME OF OPERATOR	2E
Tenneco Oil Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR Box 3249, Englewood, CO 80155	Basin Dakota 11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See s	
below.) 1735 ! ESI 2000 ! EEI	<u>Sec. 21, T29N, R8W</u>
AT SURFACE: 1733 F3L, 2000 FEL AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH: Same	San Juan I NM
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF N	
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF. KDB. AND WD)
	6378 GR
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT TEST WATER SHUT-OFF	002
FRACTURE TREAT	GEOLOGICAL (SHOTE: Report results of multiple completion or zone change on Form 9–330.)
SHOOT OR ACIDIZE	V L
PULL OR ALTER CASING	COCA No Change on Form 9–330.)
MULTIPLE COMPLETE	GEOL OT
CHANGE ZONES	
ABANDON*   (other) Request Extension	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Cle including estimated date of starting any proposed work. If measured and true vertical depths for all markers and zones	well is directionally drilled, give subsurface locations and
Tenneco respectfully requests an extens	ion of approval for the referenced
Application for Permit to Drill.	The second secon
extended t	0 6/4/83
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is frue and correct	
	duction Analyst November 12, 1982
(This space for Federal of	r State office use)
APPROVED BY TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:  NMC  *See Instructions of	LA MAMES F. SIMS
•	And the state of t

## UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

5.	LEASE	
Š	F_078046	

6. IF INDIAN	N. ALLOTTEE OR	TRIBE NA	ME

SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME
<b>4</b> -11	Hughes
well well other	9. WELL NO.
2. NAME OF OPERATOR	2E
Tenneco Oil Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Basin Dakota
Box 3249, Englewood, CO 80155	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1735 2000	
10501 FCL 10301 FCL	12 COUNTY OF PARISH 12 CTATE
AT TOP PROD. INTERVAL:	San Juan NM
AT TOTAL DEPTH:	M. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE	
REPORT, OR OTHER DATA	San Juan NM  14. API NO.  15. ELEVATIONS (SHOW DF, KDB, AND WD) 6380 GR  SURVEY  NOTE: Report results of multiple completion or zone change on Form 9–330.)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6380 <b>G</b> R
TEST WATER SHUT-OFF	36
TEST WATER SHUT-OFF	NEY !
SHOOT OR ACIDIZE	al SUM.
REPAIR WELL  PULL OR ALTER CASING   REPAIR WELL  PULL OR ALTER CASING   REPAIR WELL  ACOUNTY	C(NOTE: Report results of multiple completion or zone change on Form 9–330.)
MULTIPLE COMPLETE	•
CHANGE ZONES	
(other)	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly stating including estimated date of starting any proposed work. If well is a measured and true vertical depths for all markers and zones pertine	firectionally drilled, give subsurface locations and
11/20/92: MIDIRT Spud well @ 3:30 pm 11/30/82, W/4 Corne	rs Ria #7. Drill 12-1/4" hole. Circ.
POOH, RU & run 6 jts (248') 9-5/8" 40# N-80 LT&C csg, set @	260'. Cmt w/200 sx (240 CF) C1-B + 2%
CaCl <sub>2</sub> + 1/4#/sx flocele. PD @ 10:45 pm, 11/30/82. Circ cmt	to surface. WOC.
19/1409. DT lines stack seg to 1 000 bs: 30 Min. UK - Lt	B #3.
-19/4/99: IDDD & DC'c - DIL& run XQ 1fs /" 23# K=55 II&L CSQ	(3h//), langed w 3003 , rc w 334/ ,
DV = 2100! Cinc cmt let etage $W/175$ sy $(20)/(11)(1-8) + 2%$	Cach + 1/4#/SX Tibbele breceded
$h_{V}$ 10 $h_{I}$ $h$	out 10 ppis prefiush. Chic zhu scaye
w/230  ev (421  CF)  C1-B 65:35-6  w/1/4  CF/sx Perlite + 2%  UdU	. Tall by 100 SX (110 Cr) + 2% Cacr
+ 1/4/sy flocele PD 0 4:00 pm, $12/4/82$ . Circ 10 bbls cmt	to surface. Set Slips, cut off csy,
NUBOP & test stack & lines, 1,000 psi 30 min, OK. Drill out	, unload hole, blow to dry up.
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	1 1 December 0 1000
SIGNED COMESCULOS Production A	Analys BATE December 8, 1982
(This space for Federal or State of	ffice use)
7.7.6	
APPROVED BYTITLE	- Here Loss toss seasons

DEC 28 1982

\*See Instructions on Reverse Side

MMOCC

FARMINGTON DISTRICT

UNITED STATES	500get 501880 NO. 42-R1424
DEPARTMENT OF THE INTERIOR	5. LEASE SF-078046
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different . reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas g	Hughes
well well other	9. WELL NO.
2. NAME OF OPERATOR	2E
Tenneco Oil Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Basin Dakota
Box 3249, Englewood, CO 80155	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	Sec. 21, T29N, R8W
AT SURFACE: 1735' FSL, 2000' FEL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	San Juan   NM
	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	· · · · · · · · · · · · · · · · · · ·
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6380' GR .
TEST WATER SHUT-OFF	
FRACTURE TREAT	TO I
FRACTURE TREAT SHOOT OR ACIDIZE RECEIVE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING  DEC 20 198	2 change on Form 9–330.)
MULTIPLE COMPLETE	
ABANDON* U. S. GEOLOGICAL SI	URVEY
(other) FARMINGTON, N.	M

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

NOTE: Sundry submitted 12/8/82 reporting spud and 9-5/8" and 7" csg & cmting detail incorrectly reported the location os this well. The correct location is as noted above: 1735' FSL and 2000' FEL.

12/9/82: Ran 15 jts 4-1/2" 11.6# K-55 ST&C & 87 jts 4-1/2" 10.5# J-55 ST&C, total 412 TIH, land @ 7555', FC @ 7510', TOL @ 3433'. Blow well, cmt w/250 sx (413 CF) CL-B 65:35-6 w/.6% D-60 plus 150 sx (177 CF) Cl-B neat, preceded w/20 bbls CW-100. PD @ 6:00 pm, 12/9/82. Set pack off, LDDP, NUBOP, rig released @ 9:30 pm, 12/9/82.

Subsurface Safety Valve: Manu. and Type		Set @	_ Ft.
18. I hereby certify that the foregoing is signed	true and correct  TITLE Production Anal	yst <sub>DATE</sub> December 17, 1982	
	(This space for Federal or State office	use)	_
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	MOUSTIES FOR RECORD	
		DE0 <b>2</b> 9 1982	
	*See Instructions on Reverse Side	EARMINGTON DISTRICT	
	имосс	5 m	

Form 9–331 Dec. 1973	Budget Bureau No. 42-R1424
UNITED STATES  DEPARTMENT OF THE INTERIOR	5. LEASE SF-078046
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas ga	Hughes
well gas dher	9. WELL NO.
2. NAME OF OPERATOR	2E
Tenneco Oil Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Basin Dakota
Box 3249, Englewood, CO 80155	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	Sec. 21, T29N, R8W
AT SURFACE: 1735' FSL, 2000' FEL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	San Juan NM
AT TOTAL DEPTH:	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	
REPORT, OR OTHER DATA  REQUEST FOR APPROVAL TO:  SUBSEQUENT REPORTOE  TEST WATER SHUT-OFF FRACTURE TREAT	E EVANONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF	0000 4.1.
TEST WATER SHUT-OFF	1003
FRACTURE TREAT	1202
SHOOT OR ACIDIZE	WEY
REPAIR WELL U	(NOTER REPORT results of multiple completion or zone SICAL N. Mchange on Form 9–330.)
MULTIPLE COMPLETE	TON' M.
CHANGE ZONES	
ABANDON*	
(other)	·
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is a measured and true vertical depths for all markers and zones pertiner /82: MIRUSU, NDWH, NUBOP. Tally & RIH w/2-3/8"	lirectionally drilled, give subsurface locations and it to this work.)*  tbg & 4-1/2" fullbore pkr. Set

12/18/82: MIRUSU, NDWH, NUBOP. Tally & RIH w/2-3/8" tbg & 4-1/2" fullbore pkr. Set pkr inside TOL @ 3453'. Press dn tbg 3500 psi, OK; set pkr @ 3410'. Press BS to 34 psi, took fluid @ 3-1/2 BPM & 200 psi. PU to 3183'. Squeeze liner top w/150 sx.Cl-B + 2% CaCl<sub>2</sub> + 6-1/4#/sx Gilsonite. TOOK cmt on vacuum @ 1.5 BPM. Stop w/2 bbls on displacement.

12/20/82: Release pkr, reset @ 3183'. Press BS to 1500 psi. Estab rate of 2-1/2 BPM & 700 psi. Squeeze liner top w/100 sx Cl-B (118 CF) + 2% CaCl<sub>2</sub>. Got squeeze w/90 sx behind csg. Squeeze press. @ 2800 psi. Let set 15 min. Released pkr & reversed out. PU 5 stds & reset pkr. Re-press to 2000 psi. TOC behind 4-1/2" csg is @ liner top.

12/21/82: Released pkr, POOH w/tbg & pkr. RIH w/tbg & 6-3/4" bit. Tag cmt @ 3275', drille to liner top. POOH w/tbg & 6-3/4" bit. RIH w/tbg & 3-7/8" bit. DO cmt in 4-1/2". PT csg to 3500 psi, OK. RIH w/tbg. Tagged cmt @ 7400'. Drld to PBTD @ 7550'. PT csg to 3500 psi OK. Circ hole w/1% KCL. PU & spot 500 gal 7-1/2% DI HCL @ 7516'. POOH w/tbg & bit. 12/18

Subsurface Safety Valve: Manu. and Type	e	Set @ F
18. I hereby certify that the foregoing is	true and correct	
SIGNED COUNTY WIL	Production Analyst	December 28, 1982
	(This space for Federal or State office use)	
APPROVED BY	TITLE	GROSS RICH BELLEVIEW
		JAN <b>0</b> 7 1300
	*See Instructions on Reverse Side	ENDMINISTON DISTONS
	Nann	FARMINGTON DISTRICT  SM M