Form 3160-5 Budget Bureau No. 1004-0135 UNITED STATES

SUBMIT IN TRIPLICATE

OTHER OF THE INTERIOR (Other Instructions on Person and Person UNITED STATES (November 1983) Expires August 31, 1985 (Formerly, 9-331) 5. LEASE DESIGNATION AND BERIAL NO. BUREAU OF LAND MANAGEMENT NMSF078464 G. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME WELL WELL X OTHER NAME OF OPERATOR 8. FARM OR LEASE NAME SNYDER OIL CORPORATION CAIN ADDRESS OF OPERATOR 9. WELL NO. P.O. BOX 2038, FARMINGTON, NM tocation of well (Report location clearly and in accordance with any State requirements.\*

At surface 10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA 1095 FNL & 1075 FEL 11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA T31N, R13W 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 12. COUNTY OR PARISH | 13. STATE GL 5829' SAN JUAN NM 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CARING SHOOT OR ACIDIZE X ABANDON\* SHOOTING OR ACIDIZING ABANDONMENT\* REPAIR WELL CHANGE PLANS (Other) (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 17. in sceine 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.). See attached plugging procedure for Snyder Oil Corporation's Cain 1 (DK). Remove wellhead and install P & A marker. Clean up location and reseed per BLM spec's. OIL COM. DIV. DIST. 3 SEE ATTACHED FOR CONDITICAS OF APPROVAL 18. I hereby certify that the foregoing is true and correct District Engineer SIGNED A DATE \_12/30/92 TITLE (This space for Federal or State office use) APPROVED APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCD

AREA MANAGER

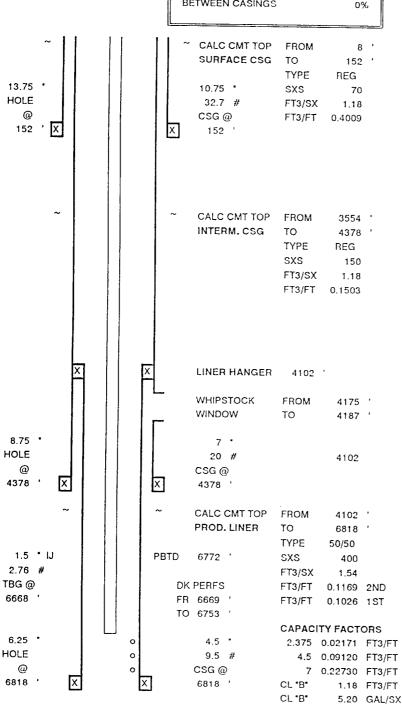
### SNYDER OIL CORPORATION

### CAIN 1 - DK

SEC 25, T31N, R13W GL 5829 ' KB 7 '

## MULTIPLIERS

CEMENT EFFICIENCY	70%
INSIDE CSG	50%
PERFS & OUTSIDE CSG	100%
BETWEEN CASINGS	0%



#### FORMATION TOPS (KB)

	FROM	то	PROTECT
OJO	253	349	INTERVAL
FRUITLAND	1761	2124	INTERVAL
PICTURED CLIFFS	2124	2312	TOP
CLIFFHOUSE	3690	3852	TOP
POINT LOOKOUT	4464	4674	
GALLUP	5772	6520	TOP
GREENHORN	6520	6663	
DAKOTA	6663	6849	PERFS
MORRISON	6849		

- 1. TOH AND LD 1-1/2" PRODUCTION STRING.
- 2. TIH W/ 4-1/2" SCRAPER AND 2-3/8" TBG @ 6650'.
- 3. TIH W/ 4-1/2" CMT RET @ 6650'. PR TST 1000#.
- 4. ESTAB. RATE INTO PERFS @ 6669'. PLUG #1 - PUMP 134 SXS - (158 FT3) CL "B" NEAT TO COVER DK\GP INTERVAL FROM 6753' TO 5722'. PUMP 26 SXS ~ (4 BBL H2O) BELOW CR. PUMP 108 SXS ~ (13 BBL H2O) ABOVE CR. PUMP 3 BBL H2O SPACER BEHIND CMT. POOH TO CALC. INSIDE CEMENT TOP @ 5253'. PUMP 18 BBL 9# MUD BEHIND H2O SPACER.
- TOH W/ WORKSTRING.
   TIH W/ 4-1/2\* CMT RET @ 4152'. PR TST 1000#.
   STING OUT OF CMT RET. LOAD CSG W/ H20.
- 6. CIRC H20 TO TANK. PR TST CSG 1500 PSIG. PLUG #2 - PUMP 59 SXS - (70 FT3) CL \*B\* NEAT TO COVER MV INTERVAL FROM 4152' TO 3640'. PUMP 59 SXS ~ (7 BBL H20) ABOVE CR. PUMP 15 BBL H20 SPACER BEHIND CMT. POOH TO CALC. INSIDE CEMENT TOP @ 3846'. PUMP 68 BBL 9# MUD BEHIND H20 SPACER. TOH W/ WORKSTRING.
- PERF 4 SQZ HOLES AT 2174'. (50' BELOW PC.)
   TIH W/ 7" CMT RET @ 2124'. PR TST 1000#.
- 8. ESTAB. RATE INTO PERFS @ 2174'. CIRC OUT BH.
  PLUG #3 PUMP 583 SXS (688 FT3) CL \*B\* NEAT
  TO COVER PC INTERVAL FROM 2174' TO SURF.
  PUMP 569 SXS ~ (70 BBL H2O) BELOW CR.
  PUMP 14 SXS ~ (2 BBL H2O) ABOVE CR.
  PUMP 8 BBL H2O SPACER BEHIND CMT.
  POOH TO CALC. INSIDE CEMENT TOP @ 2051'.
  PUMP 10 BBL 9# MUD BEHIND H2O SPACER.
  TOH W/ WORKSTRING.

P & A PROCEDURE

CAIN 1 - DK

SNYDER OIL CORPORATION

12/31/92

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- IF CMT CIRC TO SURF, SKIP TO STEP 13.
   PERF 4 SQZ HOLES AT 1811'. (50' BELOW FR.)
   TIH W/ 7" CMT RET @ 1761'. PR TST 1000#.
- 10. ESTAB. RATE INTO PERFS @ 1811'.

  PLUG #4 PUMP 54 SXS (64 FT3) CL "B" NEAT
  TO COVER FR INTERVAL FROM 1811' TO 1711'.

  PUMP 40 SXS ~ (5 BBL H20) BELOW CR.

  PUMP 14 SXS ~ (2 BBL H20) ABOVE CR.

  PUMP 7 BBL H20 SPACER BEHIND CMT.

  POOH TO CALC. CEMENT TOP @ 1688'.

  PUMP 52 BBL 9# MUD BEHIND H20 SPACER.

  TOH W/ WORKSTRING.
- 11. PERF 4 SQZ HOLES AT 399'. (50' BELOW KIRTL.) ESTAB. CIRC. OUT BRADENHEAD.
- 12. PLUG #5 PUMP 217 SXS (256 FT3) CL "B" NEAT TO COVER OJO INTERVAL FROM 399' TO SURF. UNTIL GOOD CEMENT CIRC. SI WELL. WOC.
- 13. IF STEPS 9 TO 12 ARE SKIPPED, DO THIS STEP. TIH W/ 7° CMT RET @ 1811'. PR TST 1000#. PLUG #4 PUMP 28 SXS (34 FT3) CL "B" NEAT TO COVER FR INTERVAL FROM 1811' TO 1711'. PUMP ALL CMT ABOVE CR. PUMP 7 BBL H2O SPACER BEHIND CMT. POOH TO CALC. CEMENT TOP @ 1688'. PUMP 52 BBL 9# MUD BEHIND H2O SPACER. POOH W/ WORKSTRING TO 399'. (50' BELOW KL.) PLUG #5 PUMP 115 SXS (136 FT3) CL "B" NEAT TO COVER OJO INTERVAL FROM 399' TO SURF. CIRC GOOD CEMENT. SI WELL. WOC.
- 14. ND BOP AND CUT OFF WELLHEAD. INSTALL P&A MARKER WITH 10 SXS CEMENT.
- 15. RIG DN. CUT OFF ANCHORS. MOVE OFF LOC.

#### UNITED STATES DEPARTMENT OF THE INTERIOR

# BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA 1235 LA PLATA HIGHWAY FARMINGTON, NEW MEXICO 87401

At	tac	hment	- to	Notice	οf
	Lac	· ume m	_ LU	ROLICE	CII

Re: Permanent Abandonment

Intention to Abandon

Well: #/ Cara

## CONDITIONS OF APPROVAL

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
- 2. Mark // with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907
- 3. Blowout prevention equipment is required.
- 4. The following modifications to your plugging program are to be made (when applicable):

1) Adjust coment Volume for the Mesavude play to cover from \$152' to 3640' or set plays from \$152 to 4052' and 3740' to 3640' plus 5020 excess.

2) Fruitlind formation top is 2 1675' Adjust cement play to cover from 1725' to 1625'.

o)ffice Hours: 7:45 a.m. to 4:30 p.m.