

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N. M. OIL CONS. COMMISSION

P. O. BOX 882
HOBBS, NEW MEXICO

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER salt water disposal		5. LEASE DESIGNATION AND SERIAL NO. NM-15678	
2. NAME OF OPERATOR MURPHY OPERATING CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Drawer 2648, Roswell, New Mexico 88201		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 660' FEL, Unit Ltr. I, Sec. 5, T-8S, R-31E.		8. FARM OR LEASE NAME INGRAM FEDERAL	
14. PERMIT NO.		9. WELL NO. 2	
15. ELEVATIONS (Show whether DF, BT, GR, etc.) 4256.5' GR		10. FIELD AND POOL, OR WILDCAT Tom-Tom San Andres	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T-8S, R-31E	
		12. COUNTY OR PARISH Chaves	13. STATE New Mexico

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

7-7-86 RU PU. Tried to unseat pkr. & could not. Sheared off pkr. pins & TOH w/pkr. Left rubber & slips in hole. Picked up csg. scrapper & 3-7/8" bit & TIH w/same to 3881.59' + 10' K.B. 3891.59' (perfs @ 3854'-3869') Junk @ 22.59' below perf. (3891.59' new TD) TOH w/csg. scrapper & bit & layed dn. same. Picked up RBP & pkr. & TIH to 3799.75' & set RBP. Picked up 10' & tested @ 1000# psi. Held okay. Dumped one sx. sand on top of RBP. TOH looking for hole in csg. Did not find hole. SDFN.

7-8-86 Finished looking for hole in csg. Found hole between 1983.27' & 2044.70'. Pumped into hole @ one BPM @ 1500# psi. Set pkr. @ 1543.17'. RU squeeze manifold & D.S. & pumped 50 sx. Class H w/2/10 of 1% D-13 & 50 sx. Class H Neat. Well did not squeeze. Pumped cmt. again w/100 sx. Class H Neat. Well squeezed off & press. up to 600# psi. Held for 30 min. TOH & layed dn. pkr. SDFN.

7-9-86 Picked up 3-1/8" D.C. w/new 3-7/8" bit. TIH to 1850' & found cmt. top. Layed dn. 6 jts. & started drlg. out dn. to 2050'. Ran 6 extra studs. Press. up on squeeze to 600# psi. & found slow leak. TOH & set pkr. @ surface. Press. up on squeeze & pumped into csg. 1/4 BPM @ 1300# psi. Will squeeze well again next a.m. SDFN.

CONTINUED ON NEXT PAGE

18. I hereby certify that the foregoing is true and correct

SIGNED Lois N. Brown TITLE Production Clerk **ACCEPTED FOR RECORD**
Lois N. Brown **PETER W. CHESTER** DATE August 15, 1986

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: **SUBJECT TO LIKE APPROVAL BY STATE**

AUG 20 1986

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*See Instructions on Reverse Side



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FORM 3160-5

SUNDRY NOTICES AND REPORTS ON WELLS

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INGRAM FEDERAL WELL #2
Federal Lease No. NM-15678
Tom-Tom San Andres
Section 5, T-8S, R-31E, Chaves County, New Mexico

August 15, 1986

CONTINUED -

- 7-10-86 TIH to 1543.17'. Set pkr. & tried to establish rate & could not get rate. (Note: Operator did not unseat pkr.) Pulling Unit Operator tore hole in csg. @ 1543.17'. Lost 2 slip segments & 1" X 2" pkr. body. TIH w/mag. to top of B.P. Found 30' sand on top of RBP. TOH & rec. nothing. Layed dn. magnet. Picked up pkr. & TIH to 1097' to squeeze hole @ 1543.17'. Squeezed as follows: 150 sx. Class C w/2% CA CL. Everything looked good on squeeze. Left 1500# psi on tbg., 500# psi on backside. Will drill out next a.m. SDFN.
- 7-11-86 SITP - zero; SICP - zero. Unseated pkr. & TOH & layed dn. same. Picked up 3-7/8" bit w/four 3-1/8" D.C. & TIH to 1395'. Found cmt. top. Drlg. cmt. out to 1545'. 150' cmt. Circ. hole for 30 min. TOH & picked up pkr. & set pkr. @ 1575'. Tested squeeze job. Pumped 2.5 bbls./min. @ 600# psi. Unseated pkr. & TOH w/7 stands to 1097'. Reset pkr. & squeezed as follows: 200 sx. Class C Neat. Did not even try to squeeze, displaced 10 bbls. past perms. Tried to squeeze next. a.m. SDFN.
- 7-12-86 Checked pkr. Unseated & reset @ same 1097'. Established rate & pumped cmt. to squeeze as follows: 100 sx. D.S. Thickotropic, 200 sx. Class "A" 2% CA CL. Well started squeezing after 7 bbls. into displacement. Press. @ 2000# psi on tbg. & 900# psi on csg. Left press. on well for 2 hrs. Unseated pkr. & TOH w/same & layed dn. Let cmt. set till Monday a.m. & drlg. out. SDFN.
- 7-14-86 Drlg. out cmt. from 1145' to 1545' = 400'. TOH & layed dn. 3-7/8" bit. Picked up pkr. & TIH to 1575' & set pkr. Test squeezed job. Pumped into csg. @ 600# psi @ 2 bbls./min. Unseated pkr. & reset @ 1097'. Squeeze job as follows: 200 sx. Class C w/3% CA CL. Displaced w/8 bbls. Well started to squeeze. Squeezed @ 2000# psi. SD & drlg. out next a.m.
- 7-15-86 Drlg. out cmt. from 1200' to 1545'. TOH & layed dn. bit. Picked up csg. scrapper & TIH to 1700'. TOH & layed dn. same. Picked up pkr. & TIH to 1575' & press. up to 1000# psi & in 13 min. lost 275# psi dn. to 725# psi. TOH & layed dn. pkr. TIH to 2054' open ended to spot 15 sx. cmt. on btm. hole in csg. Press. to 1000# psi. Lost 1000# psi in 4 min. Will spot cmt. next a.m. SDFN.
- 7-16-86 Tbg. set @ 2054'. Spotted 15 sx. Class C cmt. Pulled out 4 stands & 10' sub to 1806'. Reversed out of hole & press. up to 1000# psi. Squeezed 2 bbls. back into btm. hole. TOH to 1575' & spotted 15 sx. Class C cmt. Pulled out 4 stands & reversed out. Press. up to 1500# psi. Squeezed 3/4 bbl. back into top hole. Let cmt. set 2 hrs. TOH w/tbg. SDFN.

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- 7-17-86 Picked up 3-7/8" bit & four 3-1/8" D.C. TIH to 1300' & started drlg. top cmt. Drlg. to 1575'. Press. up on backside to 1000# psi. Lost 125# psi in 15 min. TOH w/bit. Layed dn. same. TIH w/tapered mill. TOH & layed dn. mill. TIH open ended to 1575'. Ready to pump cmt. next a.m. SDFN.
- 7-18-86 RU Dowell Schlumberger & spotted 10 sx. Class C cmt. @ 1575' to 1425'. TOH w/2 stands & single end of tbg. @ 1420'. Reversed out of hole w/cmt. Started squeeze job as follows: Squeezed back w/.5 bbls. w/2000# psi. TOH & picked up bit & collars. TIH to 1480'. Drlg. to 1510'. WOC. SDFN.
- 7-19-86 Finished drlg. out from 1510' to 1575'. Tested csg. to 800# psi in 15 min. & lost 75# psi down to 725# psi. Dowell Schlumberger on location @ 2:00 P.M. TIH to 1543' & spotted 3 bbls. 15% acid. TOH to 1097' & set pkr. Broke dn. hole in csg. w/1036# psi. Pumping @ 1.7 bbls./min. Rate established. Started squeeze job as follows: 150 sx. Class C w/3% CA CL, 60 sx. Class C Neat. Displaced w/5.5 bbls. Pumped .5 bbls. every 15 min. Press. not coming up. Pumped cmt. back in perfs, flushed over w/15 bbls. past hole. Left press. on tbg. & csg. SDFN.
- 7-20-86 RU Dowell Schlumberger. Established rate @ 2 bbls./min. @ 600# psi. Squeezed well as follows: 50 sx. Class C 10#/sx. D-42 + 1% D-60 + .75% D-65, 100 sx. Class C 2% CA CL, 50 sx. D8-80 cmt. Flushed 9.5 bbls. displaced last .5 bbls. @ 2000# psi. Rel. pkr. & layed dn. 8 jts. tbg. & TOH & picked up 3-1/8" D.C. & fished tail bit. TIH & found cmt. top @ 1357'. Will drlg. cmt. next a.m. SDFN.
- 7-21-86 TIH w/3-1/8" D.C. & 3-7/8" bit. Hit cmt. @ 1357'. Drlg. cmt. out to 1545'. Press. up to 700# psi. Press. dropped to 500# psi. Press. back up to 700# psi. Press. dropped to 500# psi in 15 min. TOH w/D.C. & bit. TIH w/pkr. & set pkr. @ 1097'. Established pump rate & squeezed as follows: Spotted 15 sx. Class C 3% CA CL. Pulled out 4 stands & reversed out of hole. Press. up on tbg. & csg. & pumped 1.4 bbls. back into hole. Left well SI w/1500# psi on well. SWI for 35 hrs.
- 7-24-86 TIH w/four 3-1/8" D.C. & 3-7/8" bit. Found cmt. top @ 1300'. Drlg. cmt. out to 1545' & press. up on top hole. Lost 15# in 30 min. Top hole @ 1543.17'. TIH to 1800' & drlg. cmt. out to 2045'. 2nd hole @ 2044'. Press. tested tbg. @ 330# psi. Lost 80# psi in 30 min. Left 300# psi on tbg. & SDFN.

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- 7-25-86 SIP @ 310# psi for 12 hrs. TOH w/tbg. & picked up pkr. TIH to 1543'. Pkr. would not go. TOH & picked up tapered mill, TIH to 1543' & milled out cmt. & csg. TIH on dn. past btm. hole @ 2044'. TOH & layed dn. mill. Picked up pkr. & TIH to 2100'. Press. tested RBP & it held okay. TOH & set pkr. @ 1600'. Press. tested btm. hole to 500# psi dn. tbg. & press. tested top hole dn. backside. Btm. hole okay. Top hole lost 20# psi in 25 min. TOH w/pkr. & TIH w/globe basket to RBP. TOH w/same. Rec. one slip segment & 1/2 slip segment, body part that came off pkr. (only thing not rec. is 1/2 slip segment). TIH w/RBP catcher, washed sand off top & TOH to lay dn. RBP (NOTE: 1/2 slip segment may be cmt. in top hole.)
- 7-26-86 Layed dn. 3-1/8" D.C. Broke & layed dn. swivel, RD reverse rig. TIH to 3799.95' & displaced hole w/pkr. fluid & set AD-1 Pkr. w/14 points tension. Set pkr. to left to set. & rel. to right. Tested csg. to 300# psi, held okay. RD & used our chart to test backside @ 350# psi for 32 min.

RECEIVED
AUG 25 1986
O.C.P.
HOBBS OFFICE

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100-100-100