

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-046563

6. 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.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Mesa Petroleum Co.		8. FARM OR LEASE NAME McLeod	
3. ADDRESS OF OPERATOR P. O. Box 2009 Amarillo, Texas 79109		9. WELL NO. #2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1700' FSL & 1050' FWL, Sec 34, T28N-R10W San Juan Co., New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T28N-R10W	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6030' GL		12. COUNTY OR PARISH San Juan Co.,	13. STATE NM

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input checked="" type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

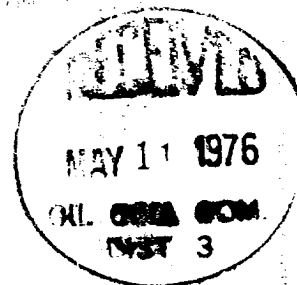
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

SEE ATTACHED - For detailed report.

RECEIVED

MAY 10 1976

U. S. GEOLOGICAL SURVEY



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

SIGNED Stan Dobler TITLE Drig. & Prod. Supvr. DATE 5/3/76

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

XC: 3 USGS
2 State
1 Archer
1 Div Mgr

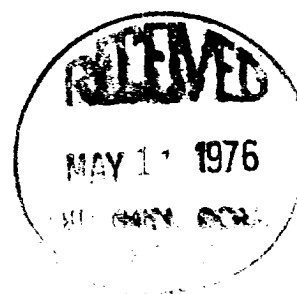
*See Instructions on Reverse Side

ADD TO WELL RECORD

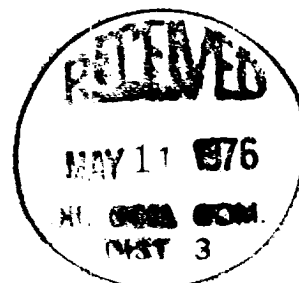
WORKOVER

McLeod #2
San Juan Co., N. M.

- 4/13/76 Installed anchors on location, ran tbg plug & set @ 6400'. Tagged up @ 6460', btm tbg @ 6564'. Blew tbg & csg down. RU Pulling Unit, disassembled wellhd, & installed BOP's. PU on tbg, tbg was stuck in 5-1/2" csg. RU McCullough & ran free pt - free down to 6400'. SDON.
- 4/14/76 RU McCullough, ran cutting tool, & cut tbg off @ 6380'. Pulled 207 jts & 1 cut off jt tbg OOH (2-3/8" EUE 8rd). Left 6 jts & 1 cut off jt IH. Ran gauge ring in 5-1/2" csg - could not get past 4220'. FL @ 2100'. Ran Baker retrievable BP, set @ 4460'. Found hole in tbg 148 jts down.
- POOH, LD 88 jts tbg, left 120 hanging on wellhd. SDON.
- 4/15/76 RU BOP's, pulled 120 jts 2-3/8" tbg OOH, strapped out, & unloaded 88 jts tbg off truck onto seals. Ran Baker Full Bore 5-1/2" pkr & 145 jts tbg IH. Set pkr @ 4435'. Circulated hole, pressure tested, & pumped IH @ 500 psi. Pulled pkr up to 3700', pressure tested annulus @ 1500 psi, circulated out tbg - hole in tbg. Ran tbg down - could not latch onto BP. Pulled tbg & pkr OOH & SDON.
- Prep to run tbg 1000' @ a time & test tbg.
- 4/16/76 Ran tbg IH w/Baker check valve & pressure tested 24 stds, 36 stds, 54 stds, & 73 stds to 2000 psi - okay. Pulled 30 stds, PU 57 jts off seals, pressure tested to 2000 psi - okay. Circulated junk off RBP, pulled tbg & RBP OOH. PU 4-3/4" bit & csg scraper, RIH w/tbg, & hit tite spot @ 4820'. Worked bit & scraper down hole to 6380', circulated hole clean, & pulled 24 stds OOH. SDON.
- 4/17/76 Finished POOH, ran Baker 5-1/2" RBP & Full Bore 5-1/2" pkr & set BP @ 6350'. Tested csg @ 1500 psi, looking for leak in csg. Found hole from 4069' to 4840', another hole from 5578' to 5636'. The hole from 4069' to 4840' would take 3 BPM @ 500 psi; the hole from 5578' to 5636' would take 1 BPM @ 1000 psi. Pulled tbg & pkr OOH & SDON.



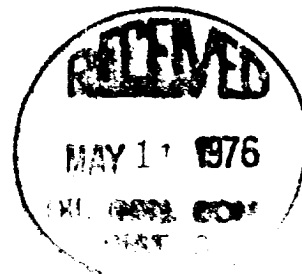
- 4/18/76 Ran Baker cmt retainer & tbg IH. Set retainer @ 5395' to squeeze from 5578' to 5636' w/20 bbls gel wtr & 100 sxs Class "B" cmt w/12 1/2# gilsonite/sx & 2% CaCl - maximum pressure = 1800 psi, ISIP = 100 psi.
- POOH w/tbg & setting tool. Ran Baker Full Bore pkr & set @ 3857' to squeeze hole from 4069' to 4840'. Squeezed w/20 bbls gel wtr & 350 sxs Class "B" cmt w/12 1/2# gilsonite/sx & 2% CaCl - maximum pressure = 1600 psi, ISIP = 800 psi. SD w/4 bbls in csg; 30" put away 1/2 bbl - holding 900 psi; 1 hr put away 1/2 bbl - holding 1100 psi. Released pressure, unseated pkr, reversed out cmt, set pkr, & pressured up to 800 psi. SD until Monday, WOC.
- 4/19/76 No work on Sunday.
- 4/20/76 Pulled pkr & tbg OOH. Ran 4 3/4" bit, 6 3 1/2" DC's, & tbg IH. Tagged TOC @ 3908'. RU power swivel & reverse unit. Drld out cmt to 4255'. SDON.
- 4/21/76 Drld out of cmt @ 4517', ran tbg IH, tagged top of btm plug @ 5355'. Drld cmt to 5395' & est'd 8" of retainer. POOH to change bit. SDON. Making trip.
- 4/22/76 TIH w/4 3/4" bit, drld cmt retainer in 8 hrs. Drld 5' cmt, circ'd hole clean & SDON. Present Operation = drlg on cmt.
- 4/23/76 Drld cmt from 5400' to 5617', fell out of cmt, circ'd hole clean. TOOH w/tbg & bit. NU blooey line & gas bleed off line to go in blwg down w/gas. SDON.
- Finish NU to blow down w/gas this a.m.
- 4/24/76 TIH w/retrieving head for BP, jetting hole dry w/gas. Gas pressure from EPNG only 110 psi. RU rental compressor, jetted to 5195', SDON.



- 4/25/76 TIH to 5700', could not unload w/gas. Pulled up to 5400' & dried well up. Staged back to 5850', unloading w/gas, recovered heavy mud & wtr.
- Pressure tested csg to 450 psi w/gas - okay. SD until Monday, A. M.
- 4/26/76 SD for Sunday.
- 4/27/76 Blew well w/gas 4 hrs @ 5850', unloading 1-1/2" stream, decreased to 1/2" stream mud & muddy wtr. TIH, blew well @ 6189', 6309', & 6350' - retrieved BP. Started OOH, well kicked off w/38 stds in derrick. Blew well to clean up, unloaded large amounts of mud & wtr. SI @ 7 p.m. 4/26/76. ISIP = 150 psi. Well SI overnight.
- SITP this a.m. = 600 psi. Present operation = blwg down well - bled off to 25 psi.
- 4/28/76 SIP = 600 psi, blew well down. Finished pulling tbg & RBP OOH. PU milling tool, 7 jts washpipe, & jars & RIH w/tbg to wash over fish - blew hole dry going in. Tagged top of fish @ 6380', left well blwg overnight to clean up.
- Prep to wash over fish this a.m.
- 4/29/76 Washed over fish - 6 jts & 5' - from 6380' to 6575'. POOH w/tbg, DC's, & washpipe. LD 6 DC's, 7 jts washpipe, & jars. Ran IH w/overshot, sub, in-line float, & tbg, latched onto fish. Pulled 11 stds, flaring est'd 2 to 2.5 Mmcf (Dakota Gas). SDON.
- Pulling fish OOH this a.m.
- 4/30/76 Finished pulling tbg, in-line float, sub, overshot, & fish OOH. Recovered all of fish - 6 jts & 5' of 2 3/8" tbg. Ran production string (2 3/8" 8rd EUE Tbg):

28.58'	1 perforated jt
1.00'	1 "F" Nipple
6496.79'	212 jts tbg
6526.37'	Total, set @ 6536.00' KB.

(Cont'd on following page)



4/30/76

(Cont'd)

RD BOP's, installed wellhead, RU to swb well - made 10 swab runs & well started blwg. RD pulling unit, released rig @ 6:30 p.m. 4/29/76. Blew well 5 hrs to pit, put on line @ 8:30 p.m.

At 7 a.m. 4/30/76, well making 690 Mcf/d. Appears to be wtr logged. Will blow well today & dry up.

5/1/76

Swbd well on Saturday, a.m., blew to pit, & cleaned up. Put on line Saturday night @ 10 p.m.

This a.m., flwg 991 Mcf/d w/CP of 250 psi, TP of 160 psi. Making trace of oil, no wtr or mud.

FINAL REPORT