(Form C-103)
(Revised 7/1/52)

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE OCC

MISCELLANEOUS REPORTS ON WELLS

1954 MAY 2 AM 8:01

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other) Repairs	x

4-30-54 (Date) Odessa, Texas (Place)

Following is a report on the work done and the results obtained under the heading noted above at the

Sun Oil Company (Company or Operator) H. D. McKinley (Lease)

Bickerstaff & Tibbets (Contractor), Well No. 1 in the NE ¼ NE ¼ of Sec. 5,

T. 19 S, R. 38 E, NMPM., Hobbs Pool, Lea County.

The Dates of this work were as folows:

Notice of intention to do the work (was) (was not) submitted on Form C-102 on ____, 19____, (Cross out incorrect words)

and approval of the proposed plan (was) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

See attached sheets for complete report on repairs on this well.

Witnessed by N. J. Keith (Name) Sun Oil Company (Company) Foreman (Title)

Approved: OIL CONSERVATION COMMISSION

(Name)

(Title) (Date)

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name O. D. McKinley

Position Superintendent

Representing Sun Oil Company

Address Box 2792, Odessa, Texas

H. D. McKinley Well #1

3-26-54 7 A to 8:30 P moving in rig and rigging up. 8:30 P to 4 A killed well, pulled old tubing head and installed Cameron casing head and blowout preventor. 4A to 7A pulling 2" tubing and sweet packer.

3-27-54 7A to 8A - finished pulling tubing, laid down packer and anchor jts. 8A to 10A changed rams in blowout preventor. 10A to 2 P picked up drill pipe w/Baker 7" casing scrapper and ran to 3984'. 2 P to 4 P pulled drill pipe and casing scrapper. 4 P to 12:30 A Dialog ran and set Baker magnesium bridging plug at 3938' and ran casing caliper at 104' - 7/32 - 428', 7/32 - 525', 3/32 - 580' - 3/32 - 640', 7/32 - 1027', to 1046, 7/32 - 1090 collar, 7/32 1167, 7/32 - 1230', 7/32 collar, pipe good below 1230'. 12:30 to 2 A ran Baker retrievable and set at 180' - tested 7" casing w/600#, 30 minutes o.k.. 2 A - 3:30 A waiting on Lane Wells. 3:30 to 5A perforated 7" casing at 2750' w/ 4 J. S. closed blind rams and pressed up 7" casing to 1000#. Would not circulate behind 7" casing, now going in hole w/ Baker retrievable and will set at 2700' and try to circulate behind 7" casing.

3-28-54 7A - 7:40 A attempt to break circulation through perf. at 2750#. BDP 3000#, 1300#. Pump in at rate of 2½ bbl. per minute. 7:40 - 11:15 pulled and reran Baker ret. found bridge plug leaking at 3938', pumping by at 800# press. 11:15 - 12:15 P pulled ret. 12:15 - 2:15 P Lane Wells set Baker magnesium bridge plug set wire line bridging plug at 3923' - 2:15 - 4 P ran Baker ret. test bridge plug 3000# press. Holding o.k. set above perf. 2750'. Tested 3000# , no blew down. 4 P - 7 P pull ret. ran mechanical perf. cut hole at 2725'. 7 - 8:30 P pull mechanical perf. 8 - 9:30 P ran ret. set above 2725# could not circulate at 3000#. 7 :30 - 11P pull ret. 11 P - 3:45 A ran mechanical perf. cut hole at 2700' and pulled 3:45 A - 5 A - ran ret. attempt to break circ. at 3000# could not circ. now pulling retainer.

3-29-54 7A - 9A WOO - 9 A - 10A ran mechanical perf. 10A - 10:35 A attempt to perf. at 2500' - would not catch. 10:35 - 11:35 A pull perforator. 11:35 - 12:40 P wait on new cutter. 12:40 - 1:40 P ran perforator 1:40 - 2 P attempt to perf. would not catch, 2 P - 3 P pull perforator. 3 A - 6 P wait on new perforator from Odessa. 6 P - 7:45 P ran perforator, 7:45 - 8 P - cut hole at 2500'. 8 - 9 P pull perf. 9 *- 11P ran Baker retainer set at 2460'. 11 - 12 A attempt to circ. w/ 3000# press. 12 A - 1 A ran perf., 1 A - 2 A perf. at 2400'. 2 A - 3 A pull perf. 3 - 4 A ran ret. set at 2340'. 4 - 6 A attempt to circ. w/3000#. Could not circ. 6A - 7A pull ret. retainer. Will run perf. and cut hole at 2400' found end of blade, on perf. brake, do not think cut hole at 2400'.

3-30-54 7A - 8A perforated 7" casing 2400' w/ mechanical perf. 8A - 9 A pulled perf. out of hole. 9 - 9:45 A ran Baker retrievable set at 2370'. 9:45 - 2:15 attempting to circ. behind 7" casing w/1800# would not circ. 2:15 - 3:15 P pulled retrievable. 3:15 - 4:15 P Ran and set Baker magnesium retainer at 2370'.

3-30-84 7 A to 8:30 ? moving in rig and rigging up. 8:30 P to 4 A killed well, pulled old tubing head and installed Cameron casing head and blowout preventor. 4A to 7A pulling 2" tubing and swept paraffin.

3-29-84 7A to 8A - finished pulling tubing, laid down packer and anchor jts. 8A to 10A changed rams in blowout preventor. 10A to 2 P picked up drill pipe & 6" casing scraper and ran to 3960'. 2 P to 6 P pulled drill pipe and casing scrapper. 6 P to 12:30 A picked ran and set Baker magnesium bridging plug at 3930' and ran casing caliper at 1024' - 7/32 - 4268', 7/32 - 5265', 3/32 - 5500' - 3/32 - 6420', 7/32 - 1027', to 1046, 7/32 - 1090 collar, 7/32 1167, 7/32 - 1230', 7/32 collar, [illegible] 12:30 to 2 A ran Baker retrievable and set at 1300' - tested 7" casing w/500#, 30 minutes o.k.. 2 A - 3:30 waiting on Lane Wells. 3:30 to 5A perforated 7" casing at 2730' w/ 4 J. S. closed blind rams and pressured up 7" casing to 1000#. Would not circulate behind 7" casing, no casing in hole w/ Baker retrievable and will set at 2700' and try to circulate behind 7" casing.

3-28-84 7A - 7:40 A attempt to break circulation through perf. at 2730# PDP 2000#, 1300#. Pump in at rate of ½ bbl. per minute. 7:40 - 11:15 pulled and ran Baker ret. found bridge plug leaking at 2930', pumping by at 800# press. 11:15 - 12:15 P pulled ret. 12:15 - 1:15 P Lane Wells set Baker magnesium bridge plug set wire line bridging plug at 3929' - 1:15 - ½ P ran Baker ret. test bridge plug 3000# press. Holding o.k. set above perf. 2750'. Tested 2000#, no blow down. 4 P - 7 P pull ret. ran mechanical perf. cut hole at 2720'. 7 - 8:30 P pull mechanical perf. 8 - 9:30 P ran ret. ran above 2720' would not circulate at 3000#. 7 :30 - 11P pull ret. 11 P - 3:45 A ran mechanical perf. cut hole at 2700' and pulled 3:45 A - 5 A - ran ret. attempt to break circ. at 3000# would not circ. now pulling retainer.

3-27-84 7A - 9A 900 - 9 A - 10A ran mechanical perf. 10A - 10:35 A attempt to perf. at 2500' - would not catch. 10:35 - 11:35 A pull perforator. 11:35 - 12:40 P welt on new cutter. 12:40 - 1:40 P ran perforator 1:40 - 2 P attempt to perf. would not catch, 2 P - 3 P pull perforator. [illegible] **7:45 - 8 P - cut hole at 2500'. 8 - 9 P pull part. 9 P - 11P ran Baker** retainer set at 2460'. 11 - 12 A attempt to circ. w/ 3000# press. 12 A - 1 A ran part., 1 A - 2 A perf. at 2420'. 2 A - 3 A pull perf. 3 - 4 A ran ret. set at 2340'. 4 - 6 A attempt to circ. w/3000#. Would not circ. 7A - 7A pull ret. retainer. Will run part. and cut hole at 2400' Found end of blade, on perf. Brake, do not think cut hole at 2400'.

3-26-84 7A - 8A perforated 7" casing 2400' w/ mechanical perf. 8 - 9 A pulled perf. out of hole. 9 - 9:45 A ran Baker retrievable set at 2370'. 9:45 - 2:15 attempting to circ. behind 7" casing w/3000# would not circ. 2:15 - 3:15 P pulled retrievable. 3:15 - 4:15 P ran and set Baker magnesium retainer at 2370'.

4:15 - 6:45 P - squeezed perf. at 2400' w/100 sacks slo-set 4% gel cement, final press. 1600#. 6:45 - 7:30 - pulled DP out of hole. 7:30 P - 7 A - WOC - ran Worth Well Temperature Survey and did not find any cement above retainer, will perf. casing at 2200' and attempt to circ. behind 7". 7 - 8A WOC, 8-10 A ran mechanical perf. and perf. 1 hole at 220' - 10 - 11:25 A pull mechanical perforater. 11:25 - 12 noon ran Baker ret. set 2160'. 12 noon - 2 P attempt to circ. behind 7" casing 2800#, 1800# found was pumping thru retainer set at 2370' and thru hole at 2400'. 2 - 3 P pull ret. retainer. 3 - 4:30P ran Howco mag. ret. set at 2350'. 4 - 6:30 P cemented w/ 80 sacks slo set 4% gel, final press. 1100# to vac. drop bridge ball and back wash 10 sacks. Completed 6:30 P. 6:30 P - 6:30 A WOC. 6:30 - 7A ran Baker ret. and attempt to circ. at 2200#. Could not circ. w/2400# press. Now pulling ret. to perf. hole at 1500'.

4-1-54 7A - 11 A attempt to cut hole at 1500'. 11 :- 6 P cut hole at 1200'. 6 P - 8 P - ran Baker ret. unable to circ. at 2100#. 8 P - 11 P attempt to cut hole at 1100'. 11 P - 3 A cut hole in 7" casing at 1150'. 3 A - 6 A ran Baker ret. set at 1120' unable to circ. at2200#. Now pref. to perf. w/Lane Wells at 190'.

4-2-54 Lane Wells perf. 7" and 9 5/8" casing at 190' w/4 Jet shots . Ran Baker retrievable retainer set at 150'. Circ. full stream fluid from 9 5/8" casing and 13 3/8" casing w/300# press. cemented outside of 7" and 9 5/8" casing using 100 sacks slo set 4% gel, circulate both 9 5/8" and 13 3/8" casing. Cleared retainer completed 10:15 A WOC 18 hours. 4:15 A - 7 A drilling cement and retainer to 2400'.

4-3-54 7 A - 4 P locate hole in 7" casing w/ Baker ret. retainer. 4 P - 5:15 P cement w/200 sacks common 4% gel with Baker ret. set at 120' squeeze perf. at 190'. Max press. 800# final 100# complete 5:15 P. Set 8 hours press up to 200# would not hold. Set ret. at 90' cemented thru perf. at 190' w/50 sacks common 4% gel, max. press. 500# final o#. Complete 3:45 A left 60' cement in 7" casing. Will check in 8 hours.

4-4-54 Checked cement plug in 7" casing cemented at 115'. Set 24 hours ending 3:45 A drilled firm cement from 115' to 195'. Pressured up on 7" casing to 400# dropped to 100# in 1 min. Prep. to squeeze perf. at

4-5-54 190' with 50 sacks common 4% gel w/1/2# flo seal per sack. Set Baker retrievable at 90' and squeezed perf. at 190' w/ 50 sacks common 4% gel w/ 1/2# floseal per sacks. Let set 16 hours and drilled out. Would not hold pressure - 600# - leaked back to 300# in 15 min. and zero in 20 minutes. Set retrievable at 90' broke down w/1700#- squeezed perf. at 190' w/50 sacks common 4% gel, w/ 1/2# flo seal per sack. Max. press. 1200#, final 700# Job complete at 5:40 A will let set 12 hours.

4-6-54 From 7 A to 6:40 P W. O. C. 6:40 P to 8:00 P drilled firm cement from 180 to 190. Tested 7" casing 500# 30 min. o.k. 8 P to 12 M.N. drilled out 2 bridge plugs @ 3900', wash to T.D. circulated 2 hours, 12 min. to 3 A layed down 2 7/8" D. P. 3 A to 4 A change rams. 4 A to 7 A

4-7-54 running 5 1/2" casing 100 jts. in hole. Ran and cemented 5½" casing circ. all the time cementing.

4-1-54 7A - 11 A attempt to cut hole at 1500'. 11 1- 6 P cut hole at 1200'.
press. Now pulling ret. to perf. hole at 1500'.
6 P - 8 P - ran Baker ret. unable to circ. at 2100#. 8 P - 11 P
attempt to cut hole at 1100'. 11 P - 3 A cut hole in 7" casing at 1130'.
3 A - 6 A ran Baker ret. set at 1120' unable to circ. at 2200#. Now
perf. to perf. w/Dame Wells at 1190'.

4-2-54 Dame Wells perf. 7" and 5 5/8" casing at 1190' w/4 Jet shots. Ran
Baker retrievable retainer set at 1150'. Circ. full stream fluid from
5 5/8" casing and 10 3/8" casing w/300# press. cemented outside of
7" and 5 5/8" casing using 100 sacks slo set 4% gel, circulate both
5 5/8" and 10 3/8" casing. Cleared retainer completed 10:15 A 4-2-54
18 hours. 4:15 A - 7 A drilling cement and retainer to 2400'.

4-3-54 7 A - 1 P locate hole in 7" casing w/ Baker ret. retainer. 1 P - 2:15 P
cement w/200 sacks common 4% gel with Baker ret. set at 1120' squeeze
perf. at 1190'. Max press. 800# final 1000# complete 5:15 P. Set 8 hours
press up to 2000# would not hold. Set ret. at 90' cemented thru perf.
at 1190' w/50 sacks common 4% gel, max. press. 500# final o#. Complete
3:45 A left 60' cement in 7" casing. Will check in 8 hours.

4-4-54 Checked cement plug in 7" casing cemented at 1115'. Set 24 hours ending
3:45 A drilled firm cement from 1115' to 1295'. Pressured up on 7"
casing to 4000# dropped to 1000# in 1 min. Prep. to squeeze perf. at
1190' with 50 sacks common 4% gel w/1/4# flo seal per sack. Set Baker
retrievable at 1100' and squeezed perf. at 1190' w/ 50 sacks com on 4%
gel w/ 1/4# floseal per sacks. Set set 10 hours and drilled out.

4-5-54 Would not hold pressure - 3000# - leaked back to 2000# in 15 min. Ran zero
in 20 minutes. Set retrievable at 90' broke down w/1700#- squeezed
perf. at 1190' w/50 sacks common 4% gel, w/ 1/4# flo seal per sack.
Max. press. 2200#, final 2000# Job complete at 5:40 A will let set
12 hours.

4-6-54 From 7 A to 6:40 P W. O. 6:40 P to 8:00 P drilled firm cement from
1150 to 1190. Tested 7" casing 500# 30 min. o.k. 8 P to 12 M.N. drilled
out 2 bridge plugs @ 2900', wash to T.D. circulated 2 hours, 12 min.
to 3 A layed down 2 7/8" D. P. 3 A to 4 A change rams. 4 A to 7 A

4-7-54 running 5 1/2" casing 100 jts. in hole. Ran and cemented 7# casing shoe.
all the time cementing.

4-8-54

Ran Temperature Survey Worth Well Service. Top cement at 3700' completed 11 p. Picked up tubing to drill plug Top at 3930'. Tested 5½" casing w/1000# 30 min. o.k. drilled cement from 3930-4175'. Lane Wells perf. 4 Jet SPF 4125-4175'. Ran 2" EUE tubing open ended. Seat 4087.33 Top of anchor 4055.65. Otis collar stop at 4055.65. American Type S packer 4049.78, American hold down 4047.14 Top perf. Jt. 4043.02. RDB to Tubing Head 7.30' tested pkr w 500# O.k. Rig released at 11:00 P.M. 4-7-54

4-8-54

Ran Temperature Survey Worth Well Service. Top cement at 3700'
completed 11 p. Picked up tubing to drill plug Top at 3930'.
Tested 5½" casing w/1000# 30 min. o.K. drilled cement from 3930-4175'.
Lane Wells perf. 4 Jet SPF 4125-4175'. Ran 2" EUE tubing open ended.
Set 4087.33 Top of anchor 4055.65. Otis collar stop at 4055.65.
American Type S packer 4049.75, American hold down 4047.14 Top perf.
14. 4043.02. EOB to Tubing Head 7.30' tested plr w 500# O.K. Rig
released at 11:00 P.M. 4-7-54