

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE OCC

## MISCELLANEOUS REPORTS ON WELLS

AM 8:01

1954 MAY 2 AM 8:04 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	REPORT ON RESULT OF TEST	REPORT ON	
DRILLING OPERATIONS	OF CASING SHUT-OFF	REPAIRING WELL	
REPORT ON RESULT	REPORT ON RECOMPLETION	REPORT ON	X
OF PLUGGING WELL	OPERATION	(Other) Repairs	

4-30-

Odessa, Texa

(Date)	

(Place)

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

Sum Oil Company	H. D. McKinley		
(Company or Operator)	(Lease)		
Bickerstaff & Tibbets	., Well No		
(Contractor)			
T. 19 S, R. 38 E, NMPM., Hebbs			
The Dates of this work were as follows:			
The Dates of this work were as follows:			
Notice of intention to do the work (was) (was not) submitted on Form	n C-102 on, 19, 19,		

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.

	Sun Oil Compa	ry Forensn
Witnessed by	(Company)	(Title)
Approved: OIL CONSERVATION COMMISSION	I hereby ce to the best Name	of my knowledge.
(Name)	Position	Superintendent
	Representi	Sun Oil Company
(Title) (D	·····	Box 2792, Odessa, Texas

### H. D. McKinley Well #1

3-26-54

3-27-54

3-28-54

3-29-54

3-30-54

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 blewout preventer. 4A to 7A pulling 2" tubing and sweet packer. 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  $104^{\circ} - 7/32 - 428^{\circ}$ ,  $7/32 - 525^{\circ}$ ,  $3/32 - 580^{\circ} - 3/52 - 640^{\circ}$ ,  $7/32 - 1027^{\circ}$ , to 1046, 7/32 - 1090 collar, 7/32 1167,  $7/32 - 1230^{\circ}$ , 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. 7A - 7:40 A attempt to break circulation through perf. at 2750#. BDP 3000#, 1300#. Pump in at rate of 21 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 hele at 2700' and pulled 3:45 A -5 A - ran ret. attempt to break cire. at 3000# could not circ. now pulling retainer.

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 perferator 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'.

4 -9A - 8A performated 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'.

7 A to 8:30 2 moting in rig and sigging up. 8:30 F to 4 A Milled bus head subing head and installed Cameron cesing head and blowout preventor. 4A to 7A pulling 2" tubing and sweet packer. 74 to 8A - finished pulling tubing, laid down pecker and anchor jts. 2A to 10A changed rame in blowout proventor. ICA to 2 P picked ip inill pipe w/Samor 7" conting some per and real to 3984'. S P to SP bulled dedil pipe and contag scropper. A F to 12:30 A Dielow ran and not linker magnesium bridging blug at 3938' and run consing caliform at 1922 - 640', 7/32 - 7/32 10271, to 1046, 7/32 - 1090 collar, 7/32 1167, 7/32 - 12301, 7/32 collar; physical and 1930. 12:30 to 2 A ran Saker retrievalle and set at 130' - tested 7" casing w/500%, 30 minutes c.K.. 2 A - 3:30 waiting on Lane Wells. 3:30 to 54 perforated 7" casing at 2750 W/A J. S. closed blind mans and pressed up 7" costag to 1000#. Yould not sirculate belied 7" saving, so going in hole w/ Paker estrioveble and will set at 2700 and try to circulate behind 7" cealing. 7A - 7:40 A stiempt to break circulation through perf. at 2:50%. EDF 3000%, 1300%. Pump in at rate of 2g bbl. per ulaute. 7:40 -11:15 pulled and reran Baker ret. found bridge plug Meaking at 3938', pumping by at 200# press. 11:15 - 12:15 P pulled ret. 12:15 a: If P Lane Wells set Bater magnestur bridge plug set wire buts bridging plug at 39231 - 2:15 - 4 P ren Baker ret. teet bridge plug 3000% press. Holding o.k. set above part. 2750'. Tested 3000% . no blow down. 4 P - 7 P pull ret. ran mechanical parf. cut hole at 27251. 7 - 8:30 P pull mechanical perf. 8 - 9:30 P ran ret. net above ares avaid not circulate at 3000#. 7:30 - 11P puil rot. 11 P -3:45 A two mechanicel perf. out bole at 2700' and pulled 3:45 a -5 A - ran reb. attempt to break circ. at 3000% could not circ. now pulling retainer. 74 - 91 900 - 9 4 - 104 ran mechanical perf. 104 - 10:35 A attempt to part. at 2500' - would not catch. 10:35 - 11:35 A pull perforator. 11:35 - 12:40 F watt on new cutter. 12:40 - 1:40 P ran perforator 1:40 - 2 P stheapt to perf. vould not catch, 2 P - 3 P pull perforator. A - G P W GO - 1 330 B S COL ( 12 Strong Colorssin, S P - 7:45 P ros performacor, 7:45 - 8 P - cut hole at 2500. 8 - 9 P pull parf. 9 \*- 11P ran Baker rotainer set at 24601. 31 - 12 A attempt to circ. W/ 3000# press. 12 4 - I A reaport. I A - 2 A cort. at 24001. 2 A - 3 A poll port. 2 - 4 is ran ret. set at 2340'. A - 6 A attempt to circ. u/3002#. Sculd als circ. 64 - 74 pull ret. whatser. All's run port. and but hele at 3400' formi and of blade, on perf. brake, do not think cut hole at . 400 M. -74 - 24 perioreted 7" casing 2400' w/ mechanical perf. 8: - 9 A

76 ~ MA Dericreted 7° Caling 2400° W. Mechanical perf. 01 = 7 M pulled part. out of hole. 9 - 9:45 a ran Baker retrieveile set at 23701. 9:45 - 2:15 at campting to circ. behind 7° casing w/200% would act circ. 7:15 - 3:15 P pulled retrievable. 3:15 - 4:15 F Lun und set baker magnesium retainer at 2370'. NG-15-1

3-27-94

3-25-57

3-20-54

3-30-54

	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 perforator, 11:25 -
	12 noon ran Baker ret. set 2160'. 12 noon - 2 P attempt to circ.
	behind 7" casing 2800#, 1800# found was mumping thru retainar set at
	2370 and thru hole at 2400. 2 - 3 P pull ret. retainer. 3 - 4:30P
	ran Howce 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'.
	$6 P - 8 P \rightarrow ran Baker ret. unable to circ. at 2100#. 8 P - 11 P$
	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 1501. Circ. full stream fluid from
	9 5/8" casing and 13 3/8" casing w/300# press. cemented outside of
	7" and 9 5/5" casing using 100 sacks slo set 45 gel, circulate bath
	9 5/8" and 13 3/8" casing. Cleared ratainer completed 10:15 A WOC
	18 hours. 4:15 A - 7 A drilling coment and retainer to 2/00?
4-3-54	7 A - 4 P locate hole in 7 <sup>th</sup> casing w/ Baker ret, retainer, A P - 5:15 P
	cement w/200 sacks common 4% gel with Baker ret. set at 120' snuese
	perf. at 190'. Max press. 800# final 100# complete 5:15 P. Set 8 hours
	press up to 200# would not held. Set ret. at 90' commented throu nerf.
	at 190' w/50 sacks common 4% gel, mex. press. 500# final of. 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
4-4-54	3:45 A drilled firm cement from 115' to 195'. Pressured up on 7"
	casing to 400# dropped to 100# in 1 min. Prop. to squaeze 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 $/\%$
	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 <sup>‡</sup> breke down w/1700#- squeezed
e. F	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
ана. Алагана (1996)	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. e.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. A A to 7 A sure
4-7-54	running 5 1/2" casing 100 jts. in hole. Ran and comented 55" casing circ.
-,	all the time cementing.
•	

------

.....

4:15 - 6:45 P - squeezed perf. at 2400' w/100 sacks slo-set 4/ gel cenent, final press. 1600#. 6:45 - 7:30 - pulled DP out of hole. 7:30 P - 7 A - 400 - ran Morth Well Temperature Survey and did not sind any cement above retainer, will perf. casing at 2200' and attempt to circ. behind 7". 7 - 8h 400, 8-10 h ran mechanical perf. and perf. 1 hole et 220 - 10 - 11:25 A pull mechanical perforator. 11:25 -12 noon ran Baker ret. sol 2160'. 12 noon - 2 P attempt to circ. beiled 7" casing 2800#, 1800# found was pumping three retainer set at 2370' and thrus hole at 2400'. 2 - 3 9 poil ret. retainer. 3 - 4:30P rea Howee mag. ret. set at 2350 . 4 - 6:50 P cenanted w/ 80 accles alo set 45 gol, final press. 1100% to vac. drop bridge ball and back went 10 stoks. Completed 6:30 P. 6:30 P - 6:30 A MOG. 6:30 - 7A ren Baker ret. and allernot to arro. at 2008. Could not etre. w. 2408 press. Now pulling ret. to perf. hole at 1500. 7A - 11 A attempt to cut hole at 1500'. 11 :- 6 P cut hole at 1200'. 12-1-1 67 - 8 P - ran Baker ret. unable to sire. a. 21004. 8 P - 11 F attempt to out hole at 1100. 11 ? - 3 & cut hole in 7" cesing at 11 30. 3 A - 6 & man Fatter ret. set at 1:20' unable to size. al 2200g. Now pref. to perf. w/Lane Wells 15 1901. Le mi me Lane Wells perf. W and 9 5/8" casing at 1901 w/1 Jot shots . Ran Baker retrievable retainer set at 150°. Circ. full stream fluid from 9 5/8" caning and Ly 3/8" century w/300% press. compated ontaile of 7" and 9 5/8" casine using 100 sachs slo set 45 gel, circulate both 9 5/8" and 13 3/8" ceatag. Cleared retainer completed 10:15 A 800 18 hours. 4:15 A - 7 A drilling coment and revainer to 24001. 7 A - 1 P locate Bole in 7 casing w/ Baker ret. retelior. 4 P - 915 P No min and cement w/200 secks normon 45 gel with Baker ret. set at 120 squeeze perf. al 190'. Max press. 800# iinal 100% complete 5:15 P. Jet 8 hours press up to 200# vould not hold. Set ret. at 90' cemented thra part. st 190° w/50 macks common 4% gel, mox. press. 500# final off. Soundate 3:45 A left 60' con and in 7" casing. Will enock in 8 hours. 16-1-7 Checked cenemic with the valing concerned at 1101. Set 24 hours of the 3:45 A drilled firs cenent from 115' to 195'. Preseared up on  $7^{\circ}$ casing to 400# dropped to 100% in 1 min. Prep. to aqueeze perf. at 190 with 50 acoks common 45 gel w/1/2# fle seal per suck. Set Salar No mor encode 09 No. 1005 as Pres becameras bas fill as allowalisters gel w/ 1/2 floseal per sacks. Let set 10 hours and drilled out. Rould not bold pressure - 600% - leaked back to 300% in 15 min. an arro in 20 minutes. Set retrievable at 90' broke down w/2/00%- squeezed perf. at 190 w/50 sacks common 45 gel, w/ 1/2# flo seal per anote. Max. press. 12004, final 7004 Job complete at 5:40 A will let set .ension SJ From 7 A to bid0 P #. 0. 0. 5. 6:40 P to 8:00 P drilled firm cement from 180 to 190. Seated 7" casing 50th 30 min. o.k. 8 F to 12 M.H. drilled out 2 bridge plage ( 39007, wash to 7.5. streulated 2 hours, 12 min. to 3 A layed down 2 7/3" D. P. 3 A to 4 A change rang. 4 A to 7 4 Mar 15-2-1

running 5 1/2" cashe 100 )la. in hole. Ran and concerted ff resing bire. all the time compating.

Low Frank

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 52" casing w/1000# 30 min. e.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 cellar step 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# 0.k. Rig released at 11:00 P.M. 4-7-54 Ran Temperature Survey Worth Well Service. Top cement at 37001 completed 11 p. Picked up tubing to drill plug Top at 39301. Tested 5<sup>1</sup>/<sub>4</sub>" casing w/1000% 30 mln. c.k. drilled cement from 3930-41751. Lane Wells perf. 4 Jet SPF 4125-41751. Ran 2" HUE tubing open ended. Seat 4087.33 Top of anchor 4055.655. Otis collar stop at 4055.65. American Type S packer 4049.75. American hold down 4047.14 Top perf. Jt. 4043.02. RDB to Tubing Head 7.301 tested pkr w 500% 0.k. RIG released at 11:00 P.M. 4-7-54.

12-8-4