NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico MISCELLANEOUS REPORTS ON WELLS

pleted. It should be signed and filed as a result of well repair, and other import	ant operations, even though the work	ms. Resilits of test of cast	IIIK SHUL-OH, ICSUIC OL	programs or work,
instructions in the Rules and Regulatio	ns of the Commission. Indicate Nature of Report by	Checking Below		
REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON RESULT O OF CASING SHUT-OFF		ORT ON AIRING WELL	×
REPORT ON RESULT OF PLUGGING WELL	REPORT ON RECOMPLI OPERATION	REPO (Oth	ORT ON er)	
	3-29-54 (Date)		Odessa, Tex	Place)
	k done and the results obtained unde			
Sun Oil Company of O	perator)	н.	McKinley We	11 /4
Bickerstaff &	ibbets Well	Noin the	/ 1/4 IB 1/4	of Sec5,
T. 19 S , R 38 E, NMPM.,	•	Pool,	Los	County.
The Dates of this work were as follows:				
Notice of intention to do the work (wa				
and approval of the proposed plan (wa		(Cross out	incorrect words,	
	AILED ACCOUNT OF WORK DON	E AND RESULTS OBT	AINED	
See attached sheets	for details of this works	Yer.		
Witnessed byJohn. M	5 (Con	en 011 Gempany	Forest (Title)	3
Approved:	I	hereby certify that the info	ormation given above is	s true and complete
of Conservation	N COMMISSION to	the best of my knowledge	Wide	
(Narr	() () () () () () () () () ()	osition Superi	ntenden	
Engineer district 1	//	epresenting Sun Q	il Company	
(Title)	(Date)	Address Bex 2	792, Odessa, T	ezas

H. D. McKinley #4

- 2-11-54 Moving in rig and rigging up.
- 7 A to 11 A rigging up. 11 A 7 A attempting to kill well.

 Pumped 40 bbls. water down line tubing. Pumped 150 bbl.s down 3" tubing. Pumped 400 bbls. down 7" casing. Pumped 70 bbls. down 9 5/8" casing. Pressure 600-750%. New pumping in line tubing at rate of 1/2 bbls. per min. at 600% press. 7A press. on 3" tubing 50% to vacuum, start 1000%. Press. on 7" casing 125% to vacuum, start 1000%. Press. on 9 5/8" casing 125% bleeding gas thru open 2" valve. Will build up to 800% shut in with no indication of communication into 7" casing. Think gas coming from Brown Lime Section 2800 to 2900'. Will shut down rig pump if 7" casing 3" tubing and line tubing dead. Will attempt to pull line tubing and packer.
- 7A 8:45A attempting to kill well. 8:45 A 10:45 A taking 2 hours press. build up on 7" and 9 5/8" casing. 10:45—3P bleeding off gas on 9 5/8" and 7" casing. 3P-6P installing Shaffer BO preventer. 6P-1A changing rams in B. O. preventer and preparing to pull 3" tubing. 9 5/8" casing press. 110# open, 20 min. shut in press. 500#. Ran water pump, 11 hours at 70 RPH
- 7A 12:30° mixed mud Halliburton, 140 bbls. mud wt 9.2, vis. 42, 12:30 to 4°P pumping mud in 9 5/8° casing. to kill gas flow. 10 bbls water, 98 bbls. mud. 4°P to 6°° P nipple up. Install BOP, pulled on packer stuck, pulled 80,000%. 6°P to 10°P ran Dialog, top 1½° fish inside 3°° at 4053°. Lecated collars on 3° tuhing 4023-4001 & 3980°. Ran string shot at 4023° backed off 3° tuhing. 10°P to 5 A lay down 3° tuhing, 187 joints, leaving (two) joints above packer. Top fish 4001°. 5 A to 7 A changed rams in BOP, gas press, back on 400%, press. bleeding and burning at well. Picking up 5½° wash pipe woretary shoe & 2 7/8 DP to wash down to top of packer. East 10 joints of 3° EUE tubing cerkscrewed.
- 7A to 8A changed flow line and bleed down 9 5/8" easing. 8A to mean pick up 2 7/8 D.P. w/5½" OD washever pipe and 6 1/8" rotary show.

 12 Noon 2:15 p washever 3" tubing to top of packer. 2:15 P to 4P pull washever pipe, rec. 2 jts. 3" tubing and fishing neck on Rebinson Packer. 42.79 of 3" tubing. 4P to 8:30 F wait on 4 1/8 evershot w/1 1/2" grappers. 8:30 P to 10:45 P run Bown evershot. 10:45 to 1A pull evershot rec, 1 jt. of 1 1/2" tubing. 1 A to 4A run Taper Tap screwed into packer. 4A to 6A pull taper tap, recl:-4" of 3" Mandrel. Shewed to be an eld break on bottom piece of fish. Sa to 7A going in hele w/ taper tap. Run water pump 15 hours, hole taking approximately 50 bbls. water per hour.

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7 h to 11 A rigging up. 11 1 - 7 h attempting to this well.

Sumped 40 bbls. weter down 150 thoug. Pumped 150 this down 30 totalny. Pumped 400 bbls. down totalny. Pumped 400 bbls. down totalny. Sumped 70 totals. down 75/80 casing. Presonce 600-700, Now pumping in 150 tubing at rate of 1/2 bbls. per win. at 100 total orest. The press. on 30 tubing 50/10 vacuum, stort 1000%. Press. on 9 5/00 casing 100 total 120% to vucuum, what 1000%. Press. on 9 5/00 casing 100 blseding gas curu open 20 valve. Will build up to 800% shut in with a ladication of communication into 70 casing. Think gas coming from brown hime Section 2800 to 29001. Will shut down ring pump if 70 call of the brown hime section 2800 to 29001. Will shut down ring pump if 70 call gas total 150 tubing and sacker.

A-th-fil TA - 8:45A attempting to Mill and . 8:45 A - 10:45 A teking R house press. build up on 7" and 9 5/2" oasing. 10:45-3P bleeding off gas cate 7/8" and 7" casing. 3P-6P installant blasfier BO prevention. 6W-1A - charging read in S. C. preventer and preparing to pull 3" tabing. From 5/4" casing press. 110% open. AU rim. shut in press. 500%. Par later purp. 11 hours at 79 SPh

74 - 12:50.8 mirred and Hallis wites, 100 bbits, and we 9.2, vis. 42, 12:30 to 42 pumping and in 9 5.00 casteg, to kill gas flow. 10 bbits water, 30 bbits, mud. 42 to 0 2 migries up. Instabl 50P, pulled on where states, pulled 80,000%. 62 to 40% ran Diaton, top 15. fish inside on whether of 10 bbits on 1. man bision to 3980. San string of 1053. Located collars on 1. unbing 40%,4001 & 3980. San string shot at 4003 backed oif 3% hading. 10 P to 5 A ley down 3% tabing, 157 joints, leaving (two) joints of ore packer. Top fish 4001. 5 A or 7 A of weed rais in 80F, gas press. Lack on 4006, press. bleeding and berning to woll. Picking up 5% wash tipe w/rotery shoe of 27/8 DP to west down to be packer. East 10 joints of 3% BUE tabing corkscrewed.

Z to the changed filter at a block with j 30 caping. 34 to not a pick up 2 7/8 D.P. w/5/4 00 washover pipe and 6 1/8" rotary shoe.

12 floon - 2:15 p washing a vabing to top of packer. 2:15 P to /P call washover pipe, rec. 2 jts. 3" tabing and fishing neck on Polanson Packer.

40.79 of 3" tabing. 4" to 8:30 P wait on 4 1/8 overshot w/1 1/2" graphers.

3:30 P to 10:45 P run Newn overshot. 10:45 to 14 pull overshot ust, 1 jt.

of 1 1/2" tubing. 1 A to 4A run fapor Tap serewed into packer. 3A to 6A call taper tap, rec! -4" of 3" Handrel. Showed to be an old break on bottom piece of fish. 2 a to 7A going in hole w/ taper tap. Tan water pump 15 hours, hole taking approximately "6 bbis. water per hour.

- 7A 8A run Taper Tap. 8A 12 Noon fish and pull out of hole rec, 26" of 3" mandrel. All of mandrel. 12 Noon, 1:30 P run Bowen spear caught 3" anchor. 1:30 P-3P Jar onfish. 3P-6:3CP pull out of hole, recover all of packer less rubber and all of 3" anchor plus 1 1/2" tubing and packer. 6:30 9:30 p.m. ran Baker casing scraper to bottom of 7" casing. 9:30 10 P ran collar locator and junk ring Bialog. 10-10:30 P ran and set Baker Model K magnesium bridge plug at 3890'. Dialog TD 7" casing seat 3955', our TD 3932. 10:3CP-7A run Dialog. Survey 7" casing 0-3880'. Possible holes 3263-3316-3335-3410. Casing from 3000'-3400' very thin 20% left. From 77' to 3790' found 52 bad collars according to log no pipe left in collars. Preparing to run Baker test packer and test casing for holes. Run water pump 20 hours. Hole taking appreximately 50 bbls. per hour. After setting bridge plug and filling up, took 20 bbls. after setting 1 hour.
- 7A to 10:15 A ran Baker test packer to test bridge plug 1500# 0.K. 10:45 A1 P perf. 4 Jet shots at 2720'. Lane Well. 1P 3P run Baker test packer
 circulate out 7" perf. until clean. 3P 3:30 P pull packer. 3:30 4P
 run Baker Model K magnesium retainer set at 2670'. 4P-5:45 P circ. out 7"
 and 9 5/8" casing communication. 5:45-8:30 P run Baker test packer.
 8:30-9:45P locate hele in 7" at 2511'. 9:45 P-10:45 P cement under retainer
 at 2670'. Perf. at 2720-back to 2511 with 45 sacks common neat. 10:4511:45 P pull DP and stringer. 13:45-12:45 A run test packer. 12:45-4A
 circ. at 2511 with 1500-2000# press. 4A-5A pull test packer. 5A-5:30 A
 run Baker Model K magnesium retainer set prematurely at 1430'. 5:30-7A
 prep. to drill out retainer.
- 7A-12 Neon drilled out retainer at 1430'. 12 Noon to 2 P going in hole with Baker Model K magnesium retainer set at 2460'. 2P-2:30P circ. water and hook up Halliburton. 2:30-3:15 P mixing and cementing w/400 sacks Trinity Inferms Slo-Set. Max. pump press. 2800% final 400% circ. 35 sacks completed 3:15 P. 3:15 P-4:15 P pulled DP and stringer. 4:15 P-7A nippled up and WOC.
- 7A-12Noon WOG. 12Noon 1 P perf. through 7" and 9 5/8" at 160' and circ. until clean. 1P-1:30 P running Baker retrievable, and cemented through perf. at 160' with retrievable set at 90' w/75 sacks common cement. Comp. 130x 1:30 P circ. cement out 13 3/8" casing. 1:30 P to L;30 A WOG. 1:30A to 7A drilled cement from 120 to 160' and drilled retainer at 2460' and cement to 2511'. Now drilling retainer at 2690'.
- 7A to 8A finished drilling retainer and cement at 26901. 8A-9A tested 7* casing 500# 30 min. o.k. 9A-12:30 P made trip to remove casing scraper. 12:30 to 2 P drilling bridge plug at 3890. 2P-3P washing to bettom 4200 and circulating. We circulation. 3P 6P laying down 2 7/8* D.P. 6P-12:30 A ran and cemented 133 jts. 52* easing. Seat 4200 FC at 4156. Cemented w/56 sacks 4% gel, Trinity Inferno Cement. Comp. 12:30 A 2-20-54. 12:30 A-7A WOC. Well run Temperature Survey 12 Neon

Fig. 70 - 98 run Tapen Tap. 38 - 10 pecu iish ani bull out of hole rec, 20 of 30 mendrel. All of senarel. 13 doom, 1:30 2 run Boven spect caught 30 crotier less rubber and all of 30 anchor plus 1 1/20 tubing and packer.

5:30 - 9:30 p.m. ran Baker custug surscent to botton of 70 casing. 9:30 - 10 f ret collar locator and junk ring Dialog. 10-10:30 P run and set bedow of 30 mequesium bridge clug at 3000. 10-10:30 P run and set bedow of 30 cor 30 3932. 10:30P-74 and bialog. Survey 70 casing seat 3/50; in 10 cor 30 3932. 10:30P-74 and bialog. Survey 70 casing seat 3/50; in 10 cor 30 3932. 10:30P-74 and bialog. Survey 70 casing seat 3/50; in 10 cor 30 3932. 10:30P-74 and bialog. Survey 70 casing seat 3/50; in 10 cor 3/50 seat 3/50; in 10 cor 3/50 seat 3/50; in 10 cor 3/50 seat 3/50. Seat 3/50 seat 3

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Is part. A det shots st 2720. Bans hell. IP - 3P rm Saker test packer discipantate out 7" perf. until cless. 3F - 3:30 P pull packer. 3:30 - AP rm Baker test packer rm baker hodel A magnesium retainer set at 2670! AP-3:45 P circ. (ut 7" mill baker hodel A magnesium retainer set at 2670! AP-3:45 P circ. (ut 7" s. 30-):45 P locate test packer.

8:30-):45 P locate tele in 7" st 1511! 3:45 P-10: 5 F cenant under notation telepolic telep

7A-12 Woon drilled to retainer of 1490. It Boom to 2 P going in bole with Saker Model & magnesium rote har at 2460! 2P-2:30P circ. water and hook up Hall Marton. 2:30-3:15 P - mixing and cementing w/400 shore which it is a property Inferme 110-3et. Man. pump proces. 2500# final 400% circ. 35 sacks of placed 3:25 F. 3:15 P-4:15 P publied 3P and stringer. 4:15 P-7A nippled and 300.

91-120000 100. 1230on 1 P perf. Marcurk 7" and 9 5/8" at 160' and circ. until clam. 12-1:30 P remains halver retrievable, and comparted through perf. at 160' with retrievable set at 90' w/75 sacks common ceaent. Comp. 1230 1:50 P circ. ceaent out 13 3/8" ceaing. 1:30 P to 1:30 A 400. 1:30E to 71. 4 4111 a ceaent from 110 at 110 and 12110 from 12460' and ceaest from 10 2511'. Now drilling retainer at 2690'.

CA to SA IN Mered drilling revolute and cement at 2500. SA-9A nested The course \$ 5000 90 min. c.x. 9A-12:30 2 made trip to remove oursing poneperalists to a F dralling bridge play at 3890. 22-3F neshing to bottom 1200 and obtromating. No circulation. 3F - 6F haying down 27/5* B.P. SP-12:30 A read comented 133 jts. 5% sample. Seet 1200 FO at 4156. Genented with modes 15 primity Informe sounds. Comp. 12:30 & 2-10-14. 12:30 &- 7A 500. Adil ran respersions Server 12:000

- 2-21-54 Hippled up, ran temperature survey found top of cement at 4050°. Picked up tubing and tested 5½" casing w/1000#-30 mm. e.k. Perf. 5½" casing w/Lane-Wells at 4000°. 4 Jet Shets Set Medel K retainer at 3953°. Squeeze w/50 sacks common, 6% Gel. Job completed at 12:30 A, no pressure. Last 4 bbls. Went in under vacuum, cleaned perforations w/ set 8 hours and squeeze again, w/50 sacks common, 6% gel, and 3 sacks Perlite.
- 2-22-54 Squeeze Job #2 retainer @ 3953. Mixed 50 sacks common 6% gel, 3 sacks Stratacrete Job completed 10:00 A no press. on vac. cleaned perf. #3 mixed 50 sacks common % gel. v/12 sacks Stratacrete 30# floseal. Job. completed 6:30 P no press. on vacuum, cleaned perf. Job #4 mixed 25 sacks common 4% gel v/20# floseal. Job complete 3:30 A no press. on vacuum cleaned perf. WOC.
- 2-23-54 WOC 7A-12 Noon pulled stringer out of retainer to let fluid equalize, in 5½ casing set back in retainer mixed 100 masks sommon 6% gel w/1/2# Floscal. Comented through perf. at 4000 followed coment w/ 1 1/2 bbls. water. Broke Halliburton connection at floor. Coment on vacuum for 21 minutes. Comp. at 1 P. Pulled tubing coment shaved on inside wells of tubing. On 23rd stand app. 1380 tubing out of hole at 2:30 P. Ran Halliburton measure line after 8 hrs. check ed coment in 5½ casing at 3156. Must be scattered, fluid level at 1646.
- 7A-8A WOC and filling 7" easing w/water. 8A-9:30 A going in hole w/bit and easing scraper. 9:30-12:30 drilled on retainer at 3953. 12:30-2P drilling coment to 4000' and checking 5½" easing w/water standing full. No pressure applied. 2P-4:30 P drilling FC and coment to 4198'. 4:30-6:30 p circulated. 6:30-8P pulling tubing and bit. 8P-12:30 A P.G.A.C. rum Gamma Ray and 0 4201 their 4202. 12:30 A-7A perforate 4 Jet SPF-4087-4201'. Total 456 shots. 5½" easing standing full after perforating. Prep. to rum 2" EUE tubing and packer.
- 2-25-54 Ran 2" EUE tubing, seat 4036.88 epen ended. Top of anchor 4005.97 w/Otis collar stop. Tep of packer 4000.11. Top of held down 3997.81. RDB to TH 9'. Lat attempt rum and set packer did not have enough weight on packer and had sheared pins in held down. Palled tubing out of hele and reran after replacing shear pins in American hold down. Rig released at 10 P (2-24-54)

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