

Instructions: Prepare and submit the "Initial Report" on the first Wednesday after a well is spudded or workover operations are started.
Daily work prior to spudding should be summarized on the form giving inclusive dates only.



00213185

District NAPD - RM	County or Parish Moffatt	State Colorado	Prop Code: H5-6571-6
Field Buck Peak	Lease or Unit U.S.A.	Well no. 1-22	
Auth. or W.O. no. AFE 338061	Title Plugback w/Sand, Perforate, Fracture, Clean out & Swab test.		

Operator Atlantic Richfield Company	A.R.Co's W.I. 100%
Spudded or W.O. begun Workover	Date 8-23-76
	Hour 8 AM
	Prior status if a W.O. SI

Date and depth as of 8:00 a.m.	Complete record for each day reported
8-24-76 7590-PBTD 25 7000-PB	MI-RU Maddox Well Serv. Hauled in Tbg. Prep run Tbg. Picked up 2-7/8" OD Tbg & ran in to 7595' to check fill-up. No fill-up in hole. Pulled Tbg up to 6800' - Dumped sand in hole & filled hole to 7000'-PBTD. Pulled Tbg. Jet perf. Niobrara 6915-6935 w/ 2 holes per Ft. SDON.
26 "	Prep Frac. Ran Tbg, set Pkr @ 6050' - Shut down account water trucks broke down, not enough water to frac.
27 "	Prep test. Waterfrac treated Niobrara perfs 6915-35 as follows: 55,000 Gals gelled 2% KCL Wtr w/30# guar gum & 20# silica flour per 1000 Gals & 100,000# 20-40 Sd in 4 stages, 10,000 Gals Gelled Wtr as spearhead, 10,000 Gals gelled Wtr w/10,000# Sd, 15,000 Gals gelled Wtr w/30,000# Sd, & 20,000 Gals gelled Wtr w/60,000# Sd. Max P-4400#. IR-20 BPM. SDON.
28 "	Prep Cln out Sand. Yest AM-TP-100#. Flowed well to pit for 1½ Hrs, flowed Load Wtr. Pulled Tbg & Pkr. Ran Tbg, tagged Sd @ 6460' - Pulled 2 Stands Tbg & SDON.
29 "	SD for Sun. Circ & Rev. out sand to 7010' - Well flowed load Wtr 1/2 Hr. SDON.
30 "	SD for Sunday. Prep swab.
31 "	Con't swab. Yest AM-TP-0#. Removed BOP. Pulled Tbg up to 6910' - Swabbed 150 BLW in 10 Hrs f/Niobrara perfs 6915-6935. SDON. \$36,186.
9-1 "	Con't Swab. Yest AM-TP-100#. Swabbed 150 BLW in 10 Hrs. f/Niobrara perfs 6915-6935. Last 2 runs, started showing very slight trace oil. (-950 BLW) \$37,086.
2 "	Con't swab. Yest AM-TP-100#. Bled down in 5 mins. Found FL @ 4000' - Sw. 170 BLW w/trace oil in 11 Hrs. FL 6500' after 11 Hr. (-780 BLW) SDON. \$37,986.
3 "	Con't swab. Yest AM-TP-50#. FL-5000' - Sw. 150 BLW w/sl. trace oil, vy sli. show gas in 11 Hrs f/Niobrara perfs 6915-35. (-630 BLW) SDON. \$38,886.
4 "	Con't swab. X Yest AM-FL-5000'. Sw. 12 bbls oil, 18 BLW in 11 Hrs f/Niobrara perfs 6915-35. FL-6900' after 11 Hrs. (-612 BLW) \$39,786.
5 "	S.D. for Holiday. Yest AM-TP-50#, FL-6300' - Sw. 7½ bbls oil, 7½ bbls Wtr. in 10 Hrs f/Niobrara perfs 6915-35. FL-6850' (-604 BLW) \$40,686.
6 & 7 "	S.D. for Holiday - Prep swab.
8 "	Con't swab. Yest AM-TP-50#, FL-6250' - Sw. 10 bbls oil, 10 bbls Wtr in 10 Hrs f/Niobrara perfs 6915-35. FL-6850'. (-594 BLW) \$41,586. Well gassing some w/each run of swab.
9 "	Con't pull Tbg. Yest AM made 2 runs w/swab, rec. 3 BO & 30 BLW in 1 Hr. (-591 BLW) Started pulling Tbg, tongs broke down. SDON. \$41,886.
10 "	Pulled Tbg & Pkr. Re-ran 2-7/8" Tbg, S.N. @ 6920' - Rigged down & moved to another well. \$42,786.
11 & 12 "	W.O. Pull Unit.
13 "	Rigging up - Prep run rods.
14 "	Prep run rods. Rigged up Unit - SDON.
15 "	W. O. Pumping Unit. Ran 1¼" pump & rods. SDON.
16 "	" " " " Rig rel @ 9:30 AM 9-15-76.
17 "	" " " "



Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

RECEIVED
DEC 20 1976
COLO. OIL & GAS CONS. COMM.

District NAPD - RM	County or Parish Moffatt	State Colorado
Field Buck Peak	Lease or Unit U.S.A.	Well no. 1-22

Date and depth of 8:00 a.m.	Complete record for each day while drilling or workover in progress
-18-76 7000-PB	W. O. Pump equip.
19 "	" " " "
20 "	Prep install P.E.
21, 22, 23 "	Installing P.E.
24 "	PFT - Pumped 8 Hrs & did not pump up.
25 "	W. O. Magneto - Quit pumping. Engine Trouble.
26 & 27 "	W. O. Magneto.
28 & 29 "	PFT. Not pumped up yet.
30 "	PFT
1 "	Pumped 8½ bbls Wtr, no oil in 24 Hrs f/Niobrara Perfs 6915-6935.
2 "	" 6 " " " " " " " " " "
3 "	" 6 " " " " " " " " " "
4 "	Shut down last 24 hrs, not enough gas to run engine.
5 "	Down last 24 Hrs. Unable to get Starting Engine to run. Bad Magneto.
6 "	PFT. Pmpd 6 BW, no oil in 24 Hrs. (-565 BLW)
7 "	" " 6 " " " " " " " " (-559 BLW)
10-8-76 7000-PB	OPERATION COMPLETED: Well quit pumping, SI, & suspended. (-559 BLW)



To 9/2/74		Bld road & loc. MI & RU Signal Drilling Company, Inc. Set 30' - 20' conductor.
9/3/74		Drilling rat hole.
9/4/74	240	Drilling 1/4 @ 100, 3/4 @ 200 Spud 8-3/4" hole 10:30 p.m. 9/3/74.
9/5/74	361	WOC. Drld 8-3/4" hole to 361', reamed to 15" to 356'. Ran 8 jts, 11-3/4" OD YS-95 60# 8rd ST&C casing set at 353.76' KB (342.36' GL), cmtd w/300 sacks Class "G" w/2% CaCl & 1/4# Flocele per sack. Plug down 9:15 p.m. 9/4/74. Cement circulated. 1/2" @ 356'.
9/6/74	630	Drlg shale. 1-1/4 @ 561 Mud: 8.5#, 32 vis. WOC. Nippled up. Tested blind rams, pipe rams, hydril & casing @ 1000# f/20 min each, held O.K. Tag cmt @ 291'. Bit #3, RR #1, Smith, DSJ, in @ 361 & drlg 3-3/4 hrs.
9/7/74	1405	Drld sd & sh. 3/4 @ 746 & 963, 1 @ 1181 Mud: 8.6#, 32 vis, WL 28, 2/32 FC Sand-trace, sol 2%, Ph 11.5, pl 9, yld 6. Bit #3, RR #1, Smith, DJS, 361-746, 385' in 6.5 hrs. Bit #4, Smith, DJS, in @ 746 & drlg, 659' in 13-3/4 hrs.
9/8/74	1840	GIH f/ DST #1, Trout Creek. 1 1/4 @ 1465, 1 1/2 @ 1653, 1 1/4 @ 1840. Mud: 9.0#, 43 vis 7 WL, 2/32 FC, sand-trace, Ph 12, pl 8, yld 4. Bit #4, Smith, DJS, 746-1465, 719' in 15.5 hrs. Bit #5, HTC, OSC, 1465-1840, 375' in 13 hrs.
9/9/74	2158	Drlg sd & shale. 1-1/4 @ 2062. Mud: 9.1#, 36 vis, 10 WL, 2/32 FC, Sand-trace, solids 5%, Ph 11.5, Pl 8, yld 4. Bit #6, Smith, DTJ, in @ 1840 & drlg, 318' in 12-3/4 hrs. DST #1, 1740-1840', Trout Creek, 3/4" BHC, no surf ch, no WC. 5 min IF, 30 min SI, 30 min 2nd open, 30 min SI, 30 min final flow, 60 min final SI. Had strong to good blow thruout, no GTS. Rec'd 868' fluid: 310' mud & 558' sli muddy water, no shows. IH 829#, IF 42-69#, 30" ISIP 650#, 30" 2nd flow 83-263#, 30" 2nd SI 636#, 30" final flow 263-346#, 60 min FSIP 623#, FH 829#..
9/10/74	2571	Trip, on btm, prep drill ahead. Bit #8, Smith, DTJ. 1-1/2 @ 2221, 2 @ 2443 & 2571. Mud: 9#, 34 vis, 8.8 WL, 2/32 FC, Sand - trace, solids 5%, Ph 11.5, Pl 8, yld 2. Bit #6, Smith, DTJ, 1840-2221, 381' in 16 1/4 hrs. Bit #7, Smith, DTJ, 2221-2571, 350' in 13-3/4 hrs. GIH w/ #8
9/11/74	2910	Drlg sd, sh, silt & coal. 2-1/2 @ 2786 & 2880 Mud: 9.1#, 36 vis, 8.1 WL, 2/32 FC, sand-tr., sol 6.5%, Ph 11.5 Pl 11, yld 4. B #8, Smith, DTJ, 2571-2880', 309' in 15 hrs. B #9, Sec., DSJ, in @ 2880, 30' in 1.5 hrs & drlg.
9/12/74	3198	Trip in, OB, prep drill 1-1/4 @ 3080, 1-3/4 @ 3198. Mud: 9.1#, 36 vis, 7.5 WL, 2/32 FC, Sand - tr., Sol 4.5%, Ph 10.5, Pl 11, Yld 2. B #9, Sec., DSJ, 2880-3198, 318' in 18 hrs. B #10, Smith, DTJ, OB.
9/13/74	3300	Drlg shale. Mud: 9.2#, 39 vis, 7 WL, 2/32 FC, Sand-tr., sol 6%, Ph 11, Pl 13, Yld 4. B #10, Smith, DTJ, in @ 3198 & drlg, 102' in 7-3/4 hrs. Dn 15-1/4 hrs f/ rig repairs.
9/14/74	3600	Drlg shale 1-1/2 @ 3400, 1-1/4 @ 3453. Mud: 9.2#, 35 vis, 8 WL, 2/32 FC, Sand-tr., sol 6.5%, Ph 11.5, Pl 10, Yld 3. B #10, Smith, DTJ, 3198-3453', 255' in 17 hrs. B #11, HTC, OSC-3, in @ 3453 & drlg, 147' in 8-1/2 hrs.

9-15-74	3881	Drlg sd & shale 1-1/4 @ 3737 Mud: 9.4#, 42 vis, 8.2 WL, 2/32 FC, Sand-trace, solids 8%, Pl 14, yld 7. B #11, HTC, OSC-3, 3453-3737, 284' in 17.5 hr B #12, Smith, DTJ, in @ 3737 & drlg, 144' in 8 hrs.
9-16-74	4125	Drlg sd & sh 2 @ 4031'. Mud: 9.4#, 39 vis, 8 WL, 2/32 FC, 1% Sand, solids 8%, Ph 11.5, Pl 13, yld 7. B #12, Smith, DTJ, 3737-4031, 294' in 16-3/4 hrs. B #13, Smith, DTJ, 4031 & drlg, 94' in 5 hrs.
9/17/74	4490	Drlg shale 1° @ 4347 Mud: 9.4#, 36 vis, 6.8 WL, 2/32 FC, Sand-tr., sol 7 1/4%, Ph 11.5, Pl 10, Yld 2. B #13, Smith, DTJ, 4031-4347, 316' in 16 hrs. B #14, OSC3-J, in @ 4347 & drlg, 143' in 6 hrs.
9/18/74	4790	Drlg sd & shale Mud: 9.4#, 39 vis, 8 WL, 2/32 FC, Sand-trace, sol 8, Ph 11, Pl 12, yld 7. B #14, HTC, OSC3-J, 4347-4727, 380' in 17.5 hrs. B #15, HTC, OSC3-J, in @ 4727 & drlg, 63' in 3 hrs. Show 60 units gas 4770-75'.
9/19/74	5138	Trip in, sd & shale 2° @ 4910, 2-3/4 @ 5138. Mud: 9.5#, 36 vis, 6.4 WL, 2/32 FC, Sand-tr., Solids 8.75%, Ph 11, Pl 11, Yld 2. B #15, HTC, OSC3-J, 4727-5138', 411' in 21 hrs. B #16, HTC, OSC3-J, in @ 5138'.
9/20/74	5516	GIH, shale 4° @ 5516. Mud: 9.3#, 38 vis, 6.5 WL, 2/32 FC, Sand-tr., solids 7 1/4, Ph 10.5, Pl 11, Yld 2. B #16, HTC, OSC3-J, 5138-5516, 378' in 17-3/4 hrs. B #17, HTC, OSC3-J, going in
9/21/74	5750	Trip in 5-1/2 @ 5645, 6-1/4 @ 5750 Mud: 9.4#, vis 40, 5.2 WL, 2/32 FC, Sand-trace, solids 8, Ph 10, pl 16, yld 6. B #17, HTC, OSC3-J, 5516-5750, 234' in 15 hrs. B #18, Sec. ESJ, going in
9/22/74	5930	Drilling shale Mud: 9.6#, 46 vis, 7.6 WL, 2/32 FC, Sand-tr., sol 9.5, Ph 10 Pl 20, Yld 4. B #18, Sec., in @ 5750, 180' in 19-1/2 hrs.
9/23/74	6050	Trip out to log. Drld to 6050', cond'd hole 4 hrs. Mud: 9.4#, 60 vis, 4.6 WL, 2/32 FC, Sand-tr., sol 8%, Pl 11, Yld 5. B #18, Sec., DSJ, 5750-5934, 184' in 20 hrs. B #19, Smith, DTT, 5934-6050, 116' in 7 hrs.
9/24/74	6200	Laying down DP to run 7" casing. Ran Dual Induction-Laterolog @ 6050', WLTD 6053'. BHT 138°. Ran in, drld to 6200'. Mud: 9.6#, 64 vis, 4.8 WL, 2/32 FC, Sand-trace, solids 9%, Ph 12, Pl 27, Yld 20. RR B #19, Smith, DTT, total 5934-6200', 266' in 16 hrs.
9/25/74	6200	WOC. LD DP & DC. Ran 7" casing : 29 jts 26# K-55 8rd R-3 ST&C N 1218' 119 jts 23# K-55 8rd R-3 ST&C N 4994' 148 jts 6212' Baker Type "G" diff. float collar, guide shoe, 4 Baker centralizers, set casing at 6200'KB meas, cmdtd w/ 150 sx Class "G", prec w/ 500 gal mud flush, Bump plug w/ 700# @ 9:45 p.m. 9/24/74. Good circ thruout.
9/26/74	6200	Picking up 3-1/2" DP. 6 hrs WOC, clean tanks, nip up. 14 hrs RU f/ 3-1/2" DP, mix oil base mud. 4 hrs PU 4-3/4" DC & 3-1/2" DP. B #21, HTC, OSC3-J, GIH
9/27/74	6275	Trip in to core 4-1/4 @ 6275 Oil base mud: 7.2#, 33 vis. B #21, HTC, OSC3-J, 6200-75', 75' in 3-1/4 hrs. Tested casing and BOP @ 1000# f/ 45 min, held O.K.. Drld out. Drld to 6275'.

9/28/74	6323	^{Niobrara} Trip in w/ bit, #23. Cut oriented core #1, 6275-6323', rec'd 48' dark gray shale, poss some vert fracs 6298-6300'. B #22, Chris'n, cored 6275-6323', 48' in 15 hrs. B #23, HTC, OSC3-J going in.
9/29/74	6474	Coring, #2, Niobrara, started @ 6445'. B #23, HTC, OSC3-J, 6323-6445, 122' in 5 hrs. B #24, RR, Chris'n, Dia., in @ 6445 & coring, 29' in 8 hrs. Oil base mud.
9/30/74	6590	Trip out f/core bbl. 5-3/4 @ 6495. Core #2, 6445-95', Niobrara, cut & rec'd 50' dark gray shale. B #24, RR, Chris'n, 6445-95', cored 50' in 14.5 hrs. B #25, RR #23, HTC, OSC3-J, 6495-6590, 95' in 6.25 hrs. Oil Base Mud.
10/1/74	6640	Trip in w/B #27 6° @ 6590. Core #3, 6590-6640, Niobrara, oriented, cut & rec'd 50' dark gray shale w/vert fracs 6591-92.5', 6605-13.5' & 6616-18'. Oil base mud: 7.6#, 38 vis, 4.8 oil loss. B #26, RR, Chris'n, 6590-6640, cored 50' in 13-3/4 hrs. GIH w/B #27, HTC, OSC3-J.
10/2/74	6945	Coring #4, Niobrara, started 6940'. B #27, RTC, OSC3-J, 6640-6940, 300' in 11-1/4 hrs. B #28, RR, Chris'n Dia., in @ 6940, 5' in 1-1/4 hrs. Oil Base Mud.
10/3/74	7235	Drilling 6° @ 6940. Core #4, 6940-90', Niobrara, cut & rec'd 50' dark gray shale. B #28, RR, Chris'n, cored 6940-90', 50' in 8-3/4 hrs. B #29, HTC, OSC1-G, in @ 6990', 245' in 9-1/2 hrs. Oil Base Mud.
10/4/74	7482	Coring. 7-3/4 @ 7440. Started core 7440', #5. B#29, HTC, OSC1-G, drld 6990-7440, 450' in 16-1/2 hrs. B#30, Chris'n dia., in @ 7440' & coring, 42' in 8-1/4 hrs. Oil base mud.
10/5/74	7600	TD - Logging 7-1/2 @ 7600. Have run GR-Dual Ind., Var. Dens Amplitude & Sonic-Cal.. Core #5, 7440-90', Niobrara, C & R 50': 7440-54 1/2' dark gray shale, hard, @ 7454 1/2', 3" calcite filled fracture (CFF), 15° dip; 7456' shale as prev w/ 2" CFF; 7457', shale as prev w/ 2" CFF; 7458' same w/ 3" CFF w/vugs, 25° dip; 7458 1/2-59', same w/ 1/2" CFF w/vugs, 45° dip; 7459-79' shale as prev.; 7479-90' dark gray shale, soft. Drld to 7600', ran logs. B #30, Chris'n dia. 7440-90', cored 50' in 10 hrs. B #31, RR #27, HTC, OSC3, 7490-7600', 110' in 4-3/4 hrs. Oil Base mud.
10/6/74	7600	TD - Running 5" liner. Finished running logs. Ran DST #2, Niobrara; 6200-7600 open hole, pkr @ 6140', 9/16" BHC, 1/4 Surf ch., Open 5 min, SI 30 min, open 60 min, SI 60 min., IH 2610#, 5 min IF 445#, 30 min ISI 567#, 60 min FF 486-500#, 60 min FSI 500-621#. Rec'd 1120' fluid, apparently oil base mud, no gas, BHT 161°. (Final Hyd. 2596#).
10/7/74	7600	TD - WO completion. Ran 50 jts 5" slotted liner, 1393.55', and 4 jts. not slotted, 113.73', total 1507.28'. Ran on drill pipe. Bottomed @ 7595', hanger @ 6088', 112' lap. Set hanger Rel DP. Pld & LD DP, nip'd down, instl'd well head. Rig rel 12 midnight 10/6/74..
10/8/74	7600	TD - WO completion
10/9,10,11/74		"

10/13/74	7600	TD - WO completion 3 days, cleaning location.
To 10/29/74		WO completion unit.
10/30/74	7600	TD - Prep to pick up tubing. MI & RU Stafford Well Service. Laid swab line.
10/31/74	7600	TD - Swabbing. PU & ran 57 jts 2-7/8" seal lock w/spl clr cplgs & 188 jts 2-7/8"EUE, 245 jts, set @ 7570' w/ SN @ 7540', landed in head, nip'd up master valve. SDON. Started swbg 7 am 10/31, FL @ surface
11/1/74	7600	TD - Swbd 167 bbl drlg mud in 9 hrs., last 3 hrs, 2 runs/hr, 3 bbl/run. FL 4450'. Tbg raised to 6340'. Niobrara 6200-7600', 5" slotted liner.
11/2/74	7600	TD - Swabbing. Yest a.m., FL 4450', tbg @ 63408, swbd down. Lower tbg, SN @ 7540' & swbd down. Swbd total 92 bbl drlg mud in 8 hrs. SDON. This a.m., tbg on vac., no fillup.
11/3/74	7600	TD - Swbd 2 bbl oil base mud in 10 hrs, swbg f/ 7540'. SDON. This a.m., no press or vac on tbg. One run w/swab, no rec'y.
11/4/74	7600	TD - Swbd 10 gal oil base mud in 10 hrs, swbg f/SN @ 7540', no gas. SDON.
11/5/74	7600	TD - Prep pull & LD tbg. Swbd 5 gal oil base mud in 10 hrs, plg f/7540'.SDON.
11/6/74	7600	TD - Pulled & LD tubing, instl'd head. Rel rig 11/5/74. Shut in.
11/7-22/74	7600	TD - Shut in. Drop from report pending further study amd resuming operations.
8/28/75	7600	TD - Moved rig to location & prepared to rig up - Too Windy.
8/29/75	7600	TD - Rigged up. Ran 6100' of 2-7/8" tubing. Rigged up to swab. Ran swab, fluid level 2000' above top of liner. Swbd 58.00 bbl of .8% oil in 4-1/2 hrs.
8/30/75	7600	TD - Started swbg, 3 runs per hr, rec'd approx 23 BO in 8 hrs, FL 500' above seating nipple.
8/31/75	7600	TD - Started swbg, 2 run per hr, rec'd approx 1/2 bbl in 8 hrs. SD f/ Labor Day
9/01/75	7600	TD - SD a/c Labor Day
9/02/75	7600	TD - Attempted to swab, no fluid in hole. Pull and lay down tubing. Released rig.